# APPENDIX C FIELD DOCUMENTATION

# APPENDIX C-1 BORING LOGS

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

## **BORING NUMBER SB-01-N**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/06/06 GROUND ELEVATION 419.5 ft MSL HOLE SIZE 2" **DATE STARTED** 06/06/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black-brown, medium grain, dry MC 63 SILT, dark gray, crushed white stone stained greenish-blue crushed stone stained green, trace black slag 5 SAND, brown, fine, well sorted, rounded, moist MC SANDY SILT, trace fine black slag-like material between 5 and 6 ft, moist 65 2 brown, moist 8.0 Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-03-SW**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/14/06 GROUND ELEVATION 418.622 ft MSL HOLE SIZE 2" DATE STARTED 06/14/06 DRILLING CONTRACTOR **GROUND WATER LEVELS:** DRILLING METHOD Hand Auger AT TIME OF DRILLING ---LOGGED BY M. Carlson CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 2-inch, stainless steel hand auger AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SILTY CLAY, dark gray, highly plastic, stiff, moist 100 AU 100 AU 3 trace oxidation patterns 100 AU 100 414.6 Bottom of hole at 4.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-04-SW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 05/30/06 GROUND ELEVATION 421.905 ft MSL HOLE SIZE 2" DATE STARTED 05/30/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG DEPTH (ft) RECOVERY MATERIAL DESCRIPTION SLAG, black, dry 2.0 CLAY, gray, GRAVEL fill, wet, slight odor MC SLAG, wet
SILTY CLAY, gray, odor 5 MC 100 2 413.9 Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-05-SW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 05/31/06 GROUND ELEVATION 425.135 ft MSL HOLE SIZE 2" **DATE STARTED** 05/31/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, fine, mixed with cinders, brick, fill material, dry MC 63 5 MC 65 lower 1.0 foot is very moist end of SLAG down to 9.0 ft, saturated 416.1 SILTY CLAY, gray, plastic, cohesive, moist 10 MC 71 3 12.0 413.1 Bottom of hole at 12.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# BORING NUMBER SB-06-SW PAGE 1 OF 1

CLIEN	NT Blue	Tee C	orp.			PROJECT NAME_Old American Zinc Plant Site		
PROJ	JECT NU	MBER	C172			PROJECT LOCATION Fairmont City, IL		
DATE	START	ED_05	5/31/06	6	COMPLETED 05/31/06	GROUND ELEVATION 420.251 ft MSL HOLE SIZE 2"		
DRILL	LING CO	NTRA	CTOR	Geos	Serve, Inc.	AT TIME OF DRILLING		
DRILL	LING ME	THOD	Direc	t Pusl	h			
LOGG	GED BY_	M. Go	otto		CHECKED BY P. Thomson			
NOTE	S Samp	oler: 4	Macro	Core	9	AFTER DRILLING		
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION		
					SLAG, black, moist			
	MC 1	58		3.0	silty mixture, black, fill material, satur		<u>417</u> .	
CLAY, gray, medium stiff, cohesive, plastic, moist		plastic, moist						
5								
	мс	F.C.						
	2	56		8.0	soft to medium stiff		412.	
	1		77777	0.0		Bottom of hole at 8.0 feet.		

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

## **BORING NUMBER SB-07-SE**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 05/31/06 GROUND ELEVATION 420.812 ft MSL HOLE SIZE 2" DATE STARTED 05/31/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, crushed asphalt, gravel 420.3 SLAG, black, cinders, dry MC SILTY CLAY, dark gray, medium stiff to stiff, plastic, dry 416.8 Bottom of hole at 4.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-08-SW**

	Fa	ax: 63	30.986	5.0653					
CLIEN	IT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site				
PROJ	ECT NU	ИBER	C172	27	PROJECT LOCATION Fairmont City, IL				
DATE	STARTE	<b>D</b> 05	/31/06	6 <b>COMPLETED</b> 05/31/06	GROUND ELEVATION 421.306 ft MSL HOLE SIZE 2"				
				R GeoServe, Inc.	GROUND WATER LEVELS:				
	ING ME				AT TIME OF DRILLING				
				CHECKED BY P. Thomse					
	S Samp				AFTER DRILLING				
IIOIL	O Camp	ю. т	Macre	T	AITEN DILEERO				
o DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION				
			$\bowtie$	FILL, crushed asphalt, mixed w	ith slag, gravel, dry 420.3				
	MC				plastic, brownish trace cinders, dry				
	MC 1	100		• • • • • • • • • • • • • • • • • • •	places, 2.0 m. a. a. a. c. m. a. c. p. a. y				
	Λ								
				4.0	417.3				
					Bottom of hole at 4.0 feet.				

**ENTACT & Associates, LLC BORING NUMBER SB-09-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL HOLE SIZE 2" **COMPLETED** 12/13/06 DATE STARTED 12/13/06 GROUND ELEVATION **DRILLING CONTRACTOR** Roberts Drilling **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY J. Stofferahn CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION 0.2 GRAVEL limestone, crushed
SLAG, slag-like granular fill, m
SILTY CLAY, very dark brown
clay, grading vellow be-SLAG, slag-like granular fill, mostly very dark gray with some white and yellow SILTY CLAY, very dark brown and dark brown mottled silty clay, grading to medium brown and yellow brown silty MC 100 clay, grading yellow brown silty clay. No stones, slightly moist ¬ CLAYEY SILT, yellow brown, no stones, moist Bottom of hole at 4.0 feet. 4.0

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **ENTACT & Associates, LLC BORING NUMBER SB-09-NW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 12/13/06 DATE STARTED 12/13/06 **GROUND ELEVATION HOLE SIZE** 2" **DRILLING CONTRACTOR** Roberts Drilling **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY J. Stofferahn CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG MATERIAL DESCRIPTION 0.3. / TOPSOIL, very dark gray organic sitly loam with dark gray slag fill SILTY CLAY, very dark brown, grading to dark brown silty clay, grading to medium brown and yellow brown silty clay, grading to yellow brown silty clay. No stones, slightly moist CLAYEY SILT, yellow brown, no stones, moist Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-09-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 05/31/06 GROUND ELEVATION 418.324 ft MSL HOLE SIZE 2" **DATE STARTED** 05/31/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, crushed stone/asphalt, topsoil, dry CLAY, gray, mottled, medium stiff, plastic, dry SLAG, black, medium grained, moist MC 42 coarse, wet 5 CLAY, gray medium stiff, cohesive, plastic, mottled MC 100 2 410.3 Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-09-SW**

	30.986	5.0653	
CLIENT Blue Tee 0	Corp.		PROJECT NAME Old American Zinc Plant Site
PROJECT NUMBER	R_C172	27	PROJECT LOCATION Fairmont City, IL
DATE STARTED 1	2/13/06	COMPLETED 12/13/06	GROUND ELEVATION HOLE SIZE 2"
DRILLING CONTRA	ACTOR	Roberts Drilling	GROUND WATER LEVELS:
DRILLING METHOI			AT TIME OF DRILLING
LOGGED BY J. Sto			AT END OF DRILLING
NOTES Sampler: 4			AFTER DRILLING
NOTES Campier.	IVIACIC	T T T T T T T T T T T T T T T T T T T	_ ALTER DRIEEMO_
O DEPTH (ft) SAMPLE TYPE NUMBER RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
11		0.2 / TOPSOIL very dark gray, organic, si	
- 1 <sub>No</sub>		No stones, slightly moist.	ay grading to very dark brown, dark brown and dark gray mottled silty clay.
MC 1 100			medium brown mottled silty clay, grading to medium brown and yellow-brown ty clay. No stones, slightly moist
- //		4.0 yellow-brown silty clay, no stones, mo	oist
		your promit any day, no decree, me	Bottom of hole at 4.0 feet.

ENVIRONMENTAL BH OAZ LOGS.GPJ GINT US.GDT 07/30/08

# **BORING NUMBER SB-10-NW**

	F	ax: 630.98							
CLIEN	NT Blue	Tee Corp.			PROJECT NAME Old American Zin	nc Plant Site			
PROJ	ECT NUI	MBER_C17	27		PROJECT LOCATION Fairmont City, IL				
		<b>D</b> 12/13/0		COMPLETED 12/13/06	GROUND ELEVATION HOLE SIZE 2"				
				rilling	GROUND WATER LEVELS:				
		THOD Dire			AT TIME OF DRILLING				
		J. Stofferah		CHECKED BY P. Thomson	AT END OF DRILLING				
		ler: 4' Macı		<u> </u>	AFTER DRILLING		<del></del> -		
		101. 1 111401	0 0010		,		-		
O DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG		TERIAL DESCRIPTION		VELL DIAGRAM		
			3333	0.3 7 TOPSOIL, very dark gray glass shards.	, organic silty loam topsoil. Small piec	es of			
	MC 1			SILTY CLAY, very dark b	rown, grading to light brown. No stone				
	/\			CLAYEY SILT, light brow	n, grading from moist to very slightly m	noist			
				Во	ttom of hole at 4.0 feet.				

# **BORING NUMBER SB-11-SE**

1 ax. 030.960.0033	DDG IFOT NAME Old Associace 7's a Disci O's		
CLIENT Blue Tee Corp.			
PROJECT NUMBER C1727	PROJECT LOCATION Fairmont City, IL		
<b>DATE STARTED</b> 06/04/06 <b>COMPLETED</b> 06/04/06	GROUND ELEVATION 419.008 ft MSL HOLE SIZE 2"		
DRILLING CONTRACTOR	AT TIME OF DRIVENIA		
DRILLING METHOD Hand Auger			
LOGGED BY M. Carlson CHECKED BY P. Thomson	AT END OF DRILLING		
NOTES Sampler: 2-inch, stainless steel hand auger			
SAMPLE TYPE NUMBER RECOVERY % GRAPHIC LOG	MATERIAL DESCRIPTION		
SILTY CLAY, brown-gray silty clay, t	race amounts of sand, medium stiff, slightly plastic, slight oxidation,		
ALL			
2 100 2.0 CLAY, gray, slight oxidation, stiff, pla	astic, moist 417.0		
	415.0		
5 AU 100 medium stiff to stiff			
AU 100	413.0		
6 06.0	Bottom of hole at 6.0 feet.		
8			
2/13/			
9 10			
<u>8</u>			
0 0			
0.0 G.F.			
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08			
~ [			
OB CONTRACTOR OF			

**ENTACT & Associates, LLC BORING NUMBER SB-12-SW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/01/06 GROUND ELEVATION 420.09 ft MSL HOLE SIZE 2" **DATE STARTED** 06/01/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, cinders, dry MC 63 417.1 wet SILTY SAND, gray, wet SILTY CLAY, dark gray, plastic, soft, moist 416.1 Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

## **BORING NUMBER SB-13-SW**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL DATE STARTED 06/01/06 **COMPLETED** 06/01/06 GROUND ELEVATION 423.166 ft MSL HOLE SIZE 2" DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, dark brown, fine, dry MC 69 black coal fragments, cinders, black, dry 5 GRAVEL, light gray to gray, coarse, wet SANDY SILT, gray, very moist MC 46 2 CLAYEY SILT, gray, plastic, organic odor Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-14-NE**

Tee Corp.  MBER C17  ED 06/01/0  NTRACTO  THOD Dire	727 06	PROJECT NAME Old American Zinc Plant Site  PROJECT LOCATION_Fairmont City, IL  ORGANIS ELEVATION 404 005 (MACL. HOLE DIZE OF
ED 06/01/0	727 06	
NTRACTO		OROLIND ELEVATION 404 005 (LMOL HOLE 017E OIL
	NP CooSonia Inc	GROUND ELEVATION 424.085 ft MSL HOLE SIZE 2"
THOD_Dire	OR GeoServe, Inc.	GROUND WATER LEVELS:
	ect Push	AT TIME OF DRILLING
M. Gotto		
ler: 4' Mac		AFTER DRILLING
RECOVERY % GRAPHIC	907	MATERIAL DESCRIPTION
63	SLAG, fine, black, dry dark gray, coarse construction debris, bricks black, fine, dry	420.1
		\_\ <sub>419.6</sub> /
	$\boxtimes$	449.4
100	SILTY SAND, gray, trace wood fibe	
	dark gray to black, fines, dry	
	8.0	Bottom of hole at 8.0 feet.
9 BECOVERY	GRAPHIC	SLAG, fine, black, dry dark gray, coarse construction debris, bricks black, fine, dry 4.0 SILTY SAND, red, wet SLAG, black, coarse, wet

**ENTACT & Associates, LLC BORING NUMBER SB-15-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/01/06 GROUND ELEVATION 422.717 ft MSL HOLE SIZE 2" **DATE STARTED** 06/01/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, brick and gravel debris 422.2 SAND, dark brown, fine MC 63 mixed with slag, brick and cobble debris FILL, white substance, ash-like, silty, soft, pliable 7 fragments of white substance mixed with debris 418.7 5 SILTY SAND, brown, fine, no remnants of slag materials, moist MC clayey 67 2 sandy Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 07/30/08

#### **BORING NUMBER SB-15-SW**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/01/06 **DATE STARTED** 06/01/06 GROUND ELEVATION HOLE SIZE 2" DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY **REMARKS** MATERIAL DESCRIPTION FILL, gravel, dry SLAG, black, fine, dry MC debris, bricks, trace slag, trace sand, brown, fine, moist 100 SILTY SAND, dark brown to black, slag remnants, very moist coarse, wet 5 gravelly salg, black wet Refusal at 6.5 ft, hit MC foundation; move 63 6.5 boring location east Bottom of hole at 6.5 feet. approximately 20 ft; redrill to 8.0 ft

# **BORING NUMBER SB-15-SW-A**

PAGE 1 OF 1

CLIENT Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL

DATE	STARTE	ED_06	/01/06		COMPLETED 06/01/06	GROUND ELEVATION 423.335 ft MSL HOLE SIZE 2"		
DRILL	ING CO	NTRA	CTOR	GeoS	erve, Inc.	_ GROUND WATER LEVELS:		
	ING ME					AT TIME OF DRILLING AT END OF DRILLING		
	ED BY_				CHECKED BY P. Thomson			
NOTE	<b>S</b> Samp	oler: 4'	Macro	Core		AFTER DRILLING		
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC CLOG		EU L. annual da	MATERIAL DESCRIPTION		
	M			0.8	FILL, gravel, dry  SLAG, black, fine, dry		42	
	мс				debris, bricks, trace sand, brown, fin	o maint		
	1	100	$\bowtie$	2.0	debits, blicks, trace saild, blown, iiii		40	
-	/\		$\sim\sim$	3.0	SILTY SAND, dark brown to black, s	lag fragments, very moist	42	
+					coarse, wet			
5	M							
_	MC 2	100			gravelly slag, black, wet			
	2			6.5	CLAYEY SILT, dark gray, medium st		41	
			****	7.5	SANDY SILT, brown		41	
1	' I			8.0	SANDT SILI, DIOWIT	Bottom of hole at 8.0 feet.		

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559

# **BORING NUMBER SB-16-SE**

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Westmont, Illinois 60559
Telephone: 630.986.2900
Fax: 630.986.0653

CLIENT Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site
PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL

PROJ	ECT NUI	MBER	C172	27	GROUND WATER LEVELS: AT TIME OF DRILLING		
DATE	STARTE	<b>D</b> _06	/01/06	COMPLETED 06/01/06			
DRILL	ING CO	NTRA	CTOR	GeoServe, Inc.			
DRILL	ING ME	THOD	Direc	t Push			
LOGG	ED BY_	M. Go	tto	CHECKED BY P. Thomson			
NOTE	S Samp	ler: 4'	Macro	o Core	AFTER DRILLING		
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	0.5 SLAG, black, cinders, dry	MATERIAL DESCRIPTION		
 	MC 1	69		SLAG, black, cinders, dry  SILTY SAND, brown, slag fragments  SLAG, black, fine  3.3  4.0 CLAYEY SILT, dark gray, fine, moist	417.		
			5,0,0,0	4.0	Bottom of hole at 4.0 feet.		

**ENTACT & Associates, LLC BORING NUMBER SB-17-SW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 05/31/06 GROUND ELEVATION 422.732 ft MSL HOLE SIZE 2" DATE STARTED 05/31/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, gravel, asphalt, rotomill, gray, dry 422.2 CLAY, dark gray, stiff, dry ∕-}421.7/ SLAG MC 100 SILTY CLAY, gray, medium stiff, plastic 5 100 5.5 417.2 MC slag mix brown 416.7 SILTY SAND, brown, fine, moist SLAG, black, moist, fill material 6.3 416.4 SANDY SILT, brown, slag fragments, moist 416.2 Refusal at 6.75 ft; encountered wood with creosote odor, potential railroad tie Bottom of hole at 6.8 feet. 6.8

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-18-NE**

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Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL COMPLETED 05/31/06 GROUND ELEVATION 421.212 ft MSL HOLE SIZE 2" DATE STARTED 05/31/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, asphalt, crushed stone, dry SLAG, black, medium grain, dry moist MC 83 SILTY CLAY, gray, brown mottled silty clay, stiff, plastic, dry 417.2 Bottom of hole at 4.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-19-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 05/31/06 GROUND ELEVATION 419.87 ft MSL HOLE SIZE 2" **DATE STARTED** 05/31/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, dark brown, dry 419.4 SLAG, black, fine, cinders/powdery, dry MC 65 brick debris, gravel, coarse slag 5 414.4 wet MC SILTY CLAY, gray, soft, wet 63 2 medium stiff, cohesive, plastic Bottom of hole at 8.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

## **BORING NUMBER SB-20-SE**

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Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL COMPLETED 06/07/06 GROUND ELEVATION 420.65 ft MSL HOLE SIZE 2" **DATE STARTED** 06/07/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, dark brown, stiff, grass, trace roots and trace gravel DEBRIS, bricks fragments coated with dry, hard, black metallic substance MC CLAYEY SILT, dark gray, dry 416.7 Bottom of hole at 4.0 feet.

#### **BORING NUMBER SB-21-SE**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/07/06 GROUND ELEVATION 424.327 ft MSL HOLE SIZE 2" **DATE STARTED** 06/07/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, ground, dry brick debris pieces of crushed stone covered with light purple substance, porous, dry MC 79 slag, black, fine, moist rock pieces, very porous, white, dry slag, black, fine, wet 419.8 5 CLAYEY SILT, dark gray, cohesive, plastic, mottled MC 100 2 slivers of clear, crystals, veins of oxidation SANDY SILT, brown, trace fragments of black slag, dry Bottom of hole at 8.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-22-SE**

		PROJECT NAME Old American Zinc Plant Site		
		ROJECT LOCATION Fairmont City, IL		
		GROUND WATER LEVELS:  AT TIME OF DRILLING  AT END OF DRILLING		
	THOD Direct Push  CHECKED BY D. Thomson			
	M. Gotto CHECKED BY P. Thomson			
	pler: 4' Macro Core	AFTER DRILLING		
O DEPTH (ft) SAMPLE TYPE NUMBER	RECO GR.	MATERIAL DESCRIPTION		
	SLAG, black, fine, mixed with brick debris	42		
MC	SANDY SILT, dark gray, dry			
- NIO				
<b>11</b>	brown light brown			
+1		Bottom of hole at 4.0 feet.		

**ENTACT & Associates, LLC BORING NUMBER SB-23-NE-A** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/07/06 GROUND ELEVATION 425.178 ft MSL HOLE SIZE 2" **DATE STARTED** 06/07/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, ground, fine to medium grain, dry MC 79 SANDY SILT, dark gray, brick debris, trace slag, dry SILTY SAND, dark gray, dry 5 brown, fine, well sorted, moist MC 100 2 very moist 417.2 Bottom of hole at 8.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-24-SE**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/07/06 GROUND ELEVATION 421.556 ft MSL HOLE SIZE 2" DATE STARTED 06/07/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, fine to medium, brick debris MC 58 clay pot fragments, glazed, kiln dried, purple/gray, brick and rock debris coarse slag, wet 5 CLAYEY SILT, dark gray, cohesive, moist MC 100 SILTY CLAY, dark gray, medium stiff to stiff, plastic 2 413.6 Bottom of hole at 8.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-25-SW**

	Fa	ax: 63	30.986	.0653					
CLIEN	IT Blue	Tee C	orp.			PROJECT NAME Old American Zinc Plant Site			
PROJ	ECT NU	ИBER	C172	27		PROJECT LOCATION_Fairmont City, IL			
DATE	STARTE	<b>D</b> 06	/14/06	СОМ	IPLETED_06/14/06	GROUND ELEVATION 422.502 ft MSL HOLE SIZE 2"			
				GeoServe, Inc.	-	GROUND WATER LEVELS:  AT TIME OF DRILLING			
	ING ME								
	ED BY				CKED BY P. Thomson				
					CRED BT F. Monison				
NOTE	S Samp	lei. 4	Macro	Core		AFTER DRILLING			
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION			
			$\bowtie$		ack, ground fine to medi				
	Mo				ass, gravel and large pied				
	MC 1	73		sandy-silt	, brown, some oxidation	, light gray mottled sandy silt			
	Λ		$\bowtie$						
				$\frac{3.7}{}$ $\neg$ brick debr	ris	418.8			
5						medium stiff, plastic, moist			
brown, gray mottled clayey silt, medium stiff, slightly sandy									
	MC 2	71		6.0 SANDY S	SILT, brown, plastic, moi	<u>416.5</u> st			
	И								
				8.0		414.5			
						Bottom of hole at 8.0 feet.			

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

## **BORING NUMBER SB-26-NW**

PAGE 1 OF 1

Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/13/06 GROUND ELEVATION 422.688 ft MSL HOLE SIZE 2" DATE STARTED 06/13/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION BACKFILL, debris, slag, black, fine, trace soil, dry ☐ crushed gravel some pieces, gray stained, stained purple, dry SANDY SILT, brown, black streaks, fine slag MC 77 black, coal fragments brown, black streaking, pieces of rebar brown, some oxidation, pieces of coal fragments, black A.O. \to SAND, foundary sand bottom, brown, medium, well sorted, dry 5 CLAYEY SILT, dark gray, oxidation, mottled, stiff to hard MC 6.0 85 CLAY, very hard, dark gray, some oxidation, plastic, dry 2 brown, dark gray mottled clay hard, plastic, dry Bottom of hole at 8.0 feet.

#### **BORING NUMBER SB-27-NE**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/14/06 GROUND ELEVATION 421.433 ft MSL HOLE SIZE 2" **DATE STARTED** 06/14/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, fine, dry medium, clayey silt lense, black mottled clayey silt, trace slag MC slag, black, medium, dry SILT, clayey, sandy, brown, black mottled sandy-clayey silt lense, small coal-like pieces, dry CLAYEY SILT, dark gray, brown mottled clayey silt, soft, dry 417.4 medium stiff, black mottled clayey silt Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

## **BORING NUMBER SB-27-SE**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/14/06 GROUND ELEVATION 421.729 ft MSL HOLE SIZE 2" **DATE STARTED** 06/14/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION **REMARKS** SLAG, black, fine, some soil and trace roots, dry brick debris PID reading 152 for 2 to 3-foot interval; MC oxidation of slag 60 sample submitted to lab for VOC analysis coarse, fill debris 4.0 417.7 CLAY, dark gray, soft, plastic, moist 5 brown, light gray mottled clay, medium stiff MC 85 SANDY CLAY, brown, gray mottley sandy clay, medium stiff, plastic, moist 2 ////8.0 soft 413.7 Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

## **BORING NUMBER SB-28-SW**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/07/06 GROUND ELEVATION 422.309 ft MSL HOLE SIZE 2" **DATE STARTED** 06/07/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, fine, black, mixed with asphalt, gravel 421.8 sand, brown, crushed concrete debris, concrete porous, dry MC 100 slag, black, fine to medium, trace concrete pieces stained purple and yellow-green, dry fill, gray, crushed stone, fine powder, dry 5 slag, black, coarse, moist rust-colored, pasty substance MC 100 2 CLAYEY SILT, dark gray, cohesive, soft medium stiff, mottled, oxidized, medium gray veining 414.3 trace fine black silty clay streaks at bottom Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-29-NW** 1010 Executive Court, Suite 280 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/06/06 **DATE STARTED** 06/06/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---

PAGE 1 OF 1

# GROUND ELEVATION 420.92 ft MSL HOLE SIZE 2" SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION GRAVEL, mixed with slag, black, fine, dry cobble-size coal SLAG, brown-black, medium coarse MC 79 417.9 SAND, brown, medium, rounded, dry 5 415.9 CLAYEY SILT, dark gray, trace roots, medium stiff, cohesive MC 100 2 gray, no roots 412.9 Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-31-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/19/06 GROUND ELEVATION 419.632 ft MSL HOLE SIZE 2" DATE STARTED 06/19/06 DRILLING CONTRACTOR **GROUND WATER LEVELS:** DRILLING METHOD Hand Auger AT TIME OF DRILLING \_---LOGGED BY M. Carlson CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 2-inch, stainless steel hand auger AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SILTY CLAY, olive gray, trace sand, medium stiff, slightly plastic, trace oxidation patterns, moist ΑU 100 soft, plastic, trace oxidation, moist 415.6 Bottom of hole at 4.0 feet.

Fax: 630.986.0653

#### **BORING NUMBER SB-32-NE**

PAGE 1 OF 1

CLIENT Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL DATE STARTED 06/06/06 COMPLETED 06/06/06 GROUND ELEVATION 423.478 ft MSL HOLE SIZE 2"

DRILI	LING ME	THOD M. Go	Directo	CHECKED BY P. Thomson	AT TIME OF DRILLING	
O (ff)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION	
 	MC 1	73		SLAG, dark brown, medium grain, of sludge, light brown/gray, paste-like, light blue gravel, speckled, dry slag, black, medium grain, moist brownish, rust-colored	soft, mixed with slag, moist	
5	MC 2	100		4.5 wet 5.5 SILT, dark gray, moist SLAG, black, medium grain, some of the composit of the comp		417.0
					bottom of note at 6.6 feet.	
02/13/08						
SS.GPJ GINT US.GDT						
NERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08						
VERAL BH						

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-33-NW**

PAGE 1 OF 1

Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/09/06 GROUND ELEVATION 424.93 ft MSL HOLE SIZE 2" DATE STARTED 06/09/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ROTOMILL, gravel, crushed asphalt, gray, large chunks of concrete, dry SLAG, black, fine to medium, dry MC 75 3-inch rubber-like tube, black, slag filled, rubber sleeve gray, strong petroleum odor slag, black, some stone and brick debris large stone with black glazed top, debris slag, black, medium coarse, moist, wood debris 5 SAND, brown, medium, poorly sorted, mixed with debris, moist SANDY CLAY, brown, black mottled sandy clay, plastic, dry MC 31 2 brown Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-33-SE**

			one: 63 30.986.	30.986.29 0653	900		
CLIEN	IT Blue	Tee C	orp.			PROJECT NAME Old American Zinc Plant Site	
PROJ	ECT NU	MBER	C172	7		PROJECT LOCATION Fairmont City, IL	
	STARTI				COMPLETED 06/09/06	GROUND ELEVATION 424.485 ft MSL HOLE SIZE 2"	
				GeoServ	e, Inc.	GROUND WATER LEVELS:	
DRILL	ING ME	THOD	Direct	Push		AT TIME OF DRILLING	
	ED BY_				CHECKED BY P. Thomson		
NOTE	<b>S</b> Samp	oler: 4'	Macro	Core		AFTER DRILLING	
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION	
	M		$\otimes \otimes \otimes$		OTOMILL, mixed with gravel, dry		424.0
	МС			1.0\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	AND, gray, well sorted, rounded, r	y medium grain, some gravel	\\423.5 423.5
	1	100		CL	AYEY SILT, black, moist, mixed	with yellow brick debris, some purple staining on brick	
-				3.0 <u>_</u> SL	AG, black, fine, very moist, grour		421.5
-				hl:	ack sand, slag-like, fine, wet, odo	r	
5	M			Die	don daria, diag into, into, wor, oddi	•	
_	MC	100					
	2		<b>XXX</b> :	7.0			417.5
	/ \		<b>XXX</b> ,	Cl 3.0	_AYEY SILT, black, crumbles eas	ily, dry	416.5
1	I			3.0		Bottom of hole at 8.0 feet.	110.0

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-33-SW**

				5.0653		
CLII	ENT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site	
PRC	JECT NU	MBER	C172		PROJECT LOCATION Fairmont City, IL	
DAT	E STARTI	ED_06	5/08/06	6 COMPLETED 06/08/06	GROUND ELEVATION 424.225 ft MSL HOLE SIZE 2"	
DRI	LING CO	NTRA	CTOR	R GeoServe, Inc.	GROUND WATER LEVELS:	
DRI	LING ME	THOD	Direc	ct Push	AT TIME OF DRILLING	
LOG	GED BY_	M. Go	tto	CHECKED BY P. Thomson	AT END OF DRILLING	
NOT	ES Samp	oler: 4	Macro	o Core	AFTER DRILLING	
O DEPTH	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION	
- - -	MC 1	77		SLAG, dark brown, coarse, dry black black sand, slag-like, fine, dry dark brown light brown-reddish, dry moist		
_ 5	$\Delta I$			5.0 _ wet		419.2
	МС			CLAYEY SILT, medium gray, light of	gray mottled clayey silt, moist	
	_ 2	100			n, some clear crystals speckled throughout, plastic, dry	447.0
-	<b>11</b>		<b>MM</b>	SILTY CLAY, brown, dark gray mot	ttled silty clay, dry	417.2
F	++-				s speckled, dark brown mottled sandy clay, dry  Bottom of hole at 8.0 feet.	

ENTACT & Associates, LLC

# **BORING NUMBER SB-34-NE**

PAGE 1 OF 1

1010 Executive Court, Suite 280 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653

0	· ·	T 0				PROJECT MANE CITY TO BUT A CO	
	IT Blue					PROJECT NAME Old American Zinc Plant Site	
	ECT NU					PROJECT LOCATION Fairmont City, IL	
	STARTI				COMPLETED 06/12/06	GROUND ELEVATION 424.408 ft MSL HOLE SIZE 2"	
					Serve, Inc.	GROUND WATER LEVELS:	
	ING ME			ct Push		AT TIME OF DRILLING	
	ED BY_				CHECKED BY P. Thomson		
NOTE	<b>S</b> Samp	oler: 4'	Macro	o Core		AFTER DRILLING	
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION	
	1		XXX	0.5	ROTOMILL, crushed asphalt, gravel,		423.9
	MC		P 4 4		SLAG, slag-like material, black, medic concrete debris	im, slightly moist	400.4
	MC 1	65		2.0	SAND, brown, well sorted, medium to	coarse, rounded, moist	422.4
	Λ			]	,	,	
L 4			*****				
5	M			1			
	мс						
	2	100		6.5		, gritty, fine to medium grains	417.9
-				7.5	SLAG, slag-like material, black, moist	, gritty, fine to medium grains - — — — — — — — — — — — — — — — — — — —	416.9
				18.0_	SILT, clayey, black, gritty, soft, moist		\1 <sub>416.4</sub>
L 4	M				CLAYEY SILT, black, medium stiff, pla	astic	-5005
10	МС	38		10.0			414.4
	3	30			SILTY CLAY, dark gray, stiff, cohesive	e, plastic	
				12.0	medium gray, some brown mottled cla	ay	440.4
- t				12.0		Bottom of hole at 12.0 feet.	412.4

# **BORING NUMBER SB-35-NE**

	ax: 630.98	6.0653		
CLIENT Blue	Tee Corp.		PROJECT NAME Old American Zinc Plant Site	
PROJECT NU	MBER_C17	27	PROJECT LOCATION Fairmont City, IL	
DATE STARTI	ED 06/13/0	6 COMPLETED 06/13/06	GROUND ELEVATION 422.555 ft MSL HOLE SIZE 2"	
DRILLING CO	NTRACTO	R GeoServe, Inc.	GROUND WATER LEVELS:	
DRILLING ME	THOD Dire	ct Push	AT TIME OF DRILLING	
LOGGED BY_	M. Gotto	CHECKED BY P. Thomson	AT END OF DRILLING	
NOTES Samp	oler: 4' Macr	ro Core	AFTER DRILLING	
O DEPTH (ft) SAMPLE TYPE NUMBER	RECOVERY % GRAPHIC LOG		MATERIAL DESCRIPTION	
1 11		0.1 /\ SLAG, black, dry		/\422.4 /_421.7
				// 1
MC 1	65	2.5 SANDY SILT, gray, black mottled san SLAG, brown/black, medium to coars		/ \421.6 420.1
5		CLAYEY SILT, dark gray, brown mottl	led clayey-silt, some oxidation, medium stiff, plastic, moist	418.6
MC 2	100	CLAY, brown, stiff		416.6
<b>-</b> -/1		7.5		415.1
<u> </u>		SANDY SILT, brown, moist	Bottom of hole at 8.0 feet.	
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08				
GENER				

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-35-NW**

PAGE 1 OF 1

Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/13/06 GROUND ELEVATION 422.281 ft MSL HOLE SIZE 2" **DATE STARTED** 06/13/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, medium grains, oxidized, dry MC 79 wood fragments, organic coarse, moist SILT, orange-brown, mixed with slag, black mottled sandy silt, grainy, wet 5 STONES, cobble-size, covered with black, coarse slag, wet CLAYEY SILT, dark gray, yellow streaks, plastic, medium stiff MC 65 2 CLAY, gray, stiff, plastic Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-36-NE**

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Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/13/06 GROUND ELEVATION 421.453 ft MSL HOLE SIZE 2" DATE STARTED 06/13/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Carlson CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, cindery, trace sand CLAY SEAM, brown, medium soft, plastic, moist MC SLAG, cindery, black SAND, well sorted, moist ∑\3.0 \_\_ SLAG, black, cindery, moist \418.5 417.2 SILTY CLAY, dark gray, medium stiff, moist 5 MC CLAY, dark gray, medium stiff, low moisture, plastic 65 2 8.0 413.5 Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-37-NE**

	Г	ax: bc	30.986	.0653			
CLIEN	IT Blue	Tee C	orp.			PROJECT NAME Old American Zinc Plant Site	_
PROJ	ECT NU	<b>IBER</b>	C172	27		PROJECT LOCATION Fairmont City, IL	_
DATE	STARTE	<b>D</b> _06	/07/06	;	COMPLETED 06/07/06	GROUND ELEVATION 421.063 ft MSL HOLE SIZE 2"	_
DRILL	ING CO	NTRA	CTOR	GeoServ	ve, Inc.	GROUND WATER LEVELS:	
DRILL	ING MET	ГНОD	Direc	t Push		AT TIME OF DRILLING	
LOGG	ED BY_	M. Go	tto		CHECKED BY P. Thomson	AT END OF DRILLING	
NOTE	<b>S</b> Samp	ler: 4'	Macro	Core		AFTER DRILLING	
o DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION	
 	MC 1	60		br	LAG, ground, black, medium to fine, or ick debris, glazed and stained rock fronds, black, fine, ground fine slag, mois	agments, purple, yellow, dry	
5					ass fragments, dry	<u>416</u>	<u>3.6</u>
<u> </u>	V				LT, dark gray, trace slag		
	MC 2	56		6.0	AND, brown, well sorted, medium gra	415	<u>5.1</u>
	Λ				LAYEY SILT, dark gray, plastic, dry	1414	Ł6′
				8.0		Bottom of hole at 8.0 feet.	3.1

ENTACT & Associates, LLC
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Westmont, Illinois 60559
Telephone: 630.986.2900
Fax: 630.986.0653

Blue Tee Corp.

CT NUMBER C1727

STARTED 06/06/06

COMPI

# **BORING NUMBER SB-38-SE**

	NT Blue	Tee C				PROJECT NAME Old American Zinc Plant Site		
DATE DRILL DRILL LOGG	ECT NUI STARTE LING COI LING ME GED BY SS Samp	ED <u>06</u> NTRA THOD M. Go	CTOR Director	GeoS	CHECKED BY P. Thomson	PROJECT LOCATION Fairmont City, IL  GROUND ELEVATION 421.59 ft MSL HOLE SIZE 2"  GROUND WATER LEVELS:  AT TIME OF DRILLING  AT END OF DRILLING		
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION		
 	MC 1	88			SLAG, black, fine to medium grain, tr medium to coarse grain, dry	ace gravel, dry		
5	MC 2	71			wet			
10	MC 3	100		9.3	CLAYEY SILT, dark gray, cohesive, t		412	
						Bottom of hole at 12.0 feet.		

ENTACT & Associates, LLC 1010 Executive Court, Suite 280

**BORING NUMBER SB-39-NW** 

PAGE 1 OF 1

Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 CLIENT Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL

6.0 — S 7.0 — S 7.5 — S	CHECKED BY P. Thomson  SILT, silt-like, fines, dark gray, dry CLAYEY SILT, dark gray, plastic, dry SILTY CLAY, gray, medium stiff, plastic, dry SANDY, SILTY CLAY, brown, medium	AT TIME OF DRILLING AT END OF DRILLING AFTER DRILLING MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  Ty, some oxidation with bits of moisture  stic  m stiff, gray mottled, small amounts of oxidation  tty clay, stiff, slightly moist stiff, dry	4141414141
OD Direct Push Gotto  : 4' Macro Core  SUBJECT Push Gotto  : 5' Macro Core  T.5 Macro Cor	CHECKED BY P. Thomson  SILT, silt-like, fines, dark gray, dry  CLAYEY SILT, dark gray, plastic, dry  SILTY CLAY, gray, medium stiff, plastic, dry  SANDY, SILTY CLAY, brown, medium stiff, plastic, dry  SANDY CLAY, gray, medium stiff, plastic, dry  SANDY CLAY, gray, brown, gray mottled silbandy CLAY, gray, brown mottled,	AT TIME OF DRILLING AT END OF DRILLING AFTER DRILLING MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  To some oxidation with bits of moisture  stic  m stiff, gray mottled, small amounts of oxidation  tty clay, stiff, slightly moist stiff, dry exidation, dry	41414141
Gotto  : 4' Macro Core  S. DIHODO  0.5 SI  0.6 SI  4.0 SI  7.0 SI  7.5 S.  7.8 S.	SILT, silt-like, fines, dark gray, dry CLAYEY SILT, dark gray, plastic, dry slight brown mottling, dry SILTY CLAY, gray, medium stiff, plastic, dry SANDY, SILTY CLAY, brown, medium stiff, plastic, dry SANDY, SILTY CLAY, brown, medium stiff, plastic, dry SANDY CLAY, gray, brown mottled, gray, brown mottled,	AT END OF DRILLING AFTER DRILLING  MATERIAL DESCRIPTION   //, some oxidation with bits of moisture  stic  m stiff, gray mottled, small amounts of oxidation  tty clay, stiff, slightly moist stiff, dry e oxidation, dry	41414141
24' Macro Core  80	SILT, silt-like, fines, dark gray, dry CLAYEY SILT, dark gray, plastic, dry slight brown mottling, dry SILTY CLAY, gray, medium stiff, plastic, dry SANDY, SILTY CLAY, brown, medium stiff, plastic, dry SANDY, SILTY CLAY, brown, medium stiff, plastic, dry SANDY CLAY, gray, brown mottled, gray, brown mottled,	AT END OF DRILLING  AFTER DRILLING  MATERIAL DESCRIPTION	414141
24' Macro Core  80	SILT, silt-like, fines, dark gray, dry CLAYEY SILT, dark gray, plastic, dry slight brown mottling, dry SILTY CLAY, gray, medium stiff, plastic, dry SANDY, SILTY CLAY, brown, medium stiff, plastic, dry SANDY, SILTY CLAY, brown, medium stiff, plastic, dry SANDY CLAY, gray, brown mottled, gray, brown mottled,	MATERIAL DESCRIPTION  Material Description	41 41 41
9. 0.5 CCOERA 9. 0.5 CCOERA 4.0 SI 4.0 SI 7.0 SI 7.0 SI 7.5 SI 7.5 SI 7.5 SI 7.8 SI 7.5 SI 7.8 SI	SANDY, SILTY CLAY, brown, medium stiff, plassication, signature of the sig	MATERIAL DESCRIPTION  7, some oxidation with bits of moisture  stic  Im stiff, gray mottled, small amounts of oxidation  Ity clay, stiff, slightly moist stiff, dry e oxidation, dry	41 41 41
0.5 SI 0.5 SI 0.6 SI 0.6 SI 0.7 SI 0.7 SI 0.7 SI 0.7 SI 0.7 SI 0.8 SI 0.9 SI 0.9 SI 0.7 SI 0.7 SI 0.8 SI	SANDY, SILTY CLAY, brown, medium stiff, plassication, signature of the sig	stic  Im stiff, gray mottled, small amounts of oxidation  Ity clay, stiff, slightly moist stiff, dry e oxidation, dry	41 41 41
6.0 — S. 7.0 — S. 7.5 — S. S. S. S. S. S.	SANDY, SILTY CLAY, brown, medium stiff, plassication, signature of the sig	stic  Im stiff, gray mottled, small amounts of oxidation  Ity clay, stiff, slightly moist stiff, dry e oxidation, dry	414141
6.0 — SI 7.0 — SI 7.5 — SI 7.8 — SI	Slight brown mottling, dry  SILTY CLAY, gray, medium stiff, plase  SANDY, SILTY CLAY, brown, medium stiff plase  SILTY CLAY, brown, gray mottled sile sile sandy clay, gray, brown mottled,	stic  Im stiff, gray mottled, small amounts of oxidation  Ity clay, stiff, slightly moist stiff, dry e oxidation, dry	41
6.0 — S 7.0 — S 7.5 — S 7.8 — S	SANDY, SILTY CLAY, brown, mediu SILTY CLAY, brown, gray mottled sil SANDY CLAY, gray, brown mottled,	m stiff, gray mottled, small amounts of oxidation  Ity clay, stiff, slightly moist stiff, dry e oxidation, dry	41
Z.8 S.	SILTY CLAY, brown, gray mottled sil	ty clay, stiff, slightly moist stiff, dry oxidation, dry	41
Z.8 S.	SILTY CLAY, brown, gray mottled sil	ty clay, stiff, slightly moist stiff, dry oxidation, dry	42
Z.8 S.	SILTY CLAY, brown, gray mottled sil	ty clay, stiff, slightly moist stiff, dry oxidation, dry	
Z.8 S.	SANDY CLAY, gray, brown mottled,	tty clay, stiff, slightly moiststiff, drystiff, drystiff, drystiff, dry	41
Z8_\S	SANDY CLAY, gray, brown mottled,	stiff, drye oxidation, dry	41
	SAND, gray, tines, well sorted, some		1
8.0		Bottom of note at 6.0 feet.	41

ENTACT & Associates, LLC **BORING NUMBER SB-39-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/19/06 GROUND ELEVATION 418.803 ft MSL HOLE SIZE 2" DATE STARTED 06/19/06 DRILLING CONTRACTOR **GROUND WATER LEVELS:** DRILLING METHOD Hand Auger AT TIME OF DRILLING \_---LOGGED BY M. Carlson CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 2-inch, stainless steel hand auger AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SILTY CLAY, olive gray, trace sand particles, moist ΑU 100 medium stiff, plastic, intermittant oxidation patterns 415.3 Bottom of hole at 3.5 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# BORING NUMBER SB-39-SW PAGE 1 OF 1

	CLIEN	IT Blue	Tee C	orn						PROJECT NAME Old American Zinc Plant Site				
		ECT NUI								PROJECT LOCATION Fairmont City, IL  GROUND ELEVATION 418.803 ft MSL HOLE SIZE 2"				
						COMP	LETED	06/19/06						
		ING CO								GROUND WATER LEVELS:				
					Auger					AT TIME OF DRILLING				
								P. Thom	nson	AT END OF DRILLING				
										AFTER DRILLING				
	O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG						MATERIAL DESCRIPTION				
*		AU 1	100			LTY CLA	·Υ, olive (	gray, trac	e sand pa	rticles, soft, plastic, very moist  Bottom of hole at 3.0 feet.	415.8			
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08														

ENTACT & Associates, LLC **BORING NUMBER SB-40-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/19/06 GROUND ELEVATION 418.803 ft MSL HOLE SIZE 2" DATE STARTED 06/19/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Hand Auger AT TIME OF DRILLING \_---LOGGED BY M. Carlson CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 2-inch, stainless steel hand auger AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SILTY CLAY, olive gray, trace sand, slightly oxidized in areas, slightly moist, medium stiff, slightly plastic, dry ΑU 100 414.8 Bottom of hole at 4.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-40-NW**

	Fax: 6	30.986	.0653		
CLIENT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site	_
PROJECT N	JMBER	C172	27	PROJECT LOCATION Fairmont City, IL	
DATE STAR	<b>ED</b> 06	3/19/06	COMPLETED 06/19/06	GROUND ELEVATION 418.803 ft MSL HOLE SIZE 2"	
DRILLING CO				GROUND WATER LEVELS:	
DRILLING M	ETHOD	Hand	l Auger	AT TIME OF DRILLING	
LOGGED BY					_
			stainless steel hand auger	AFTER DRILLING	_
	1		a dage.		_
O (ft) SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION	
					.3
_			CLAY, olive gray, trace sand, oxidation	on patterns, sort, plastic, moist	
AU	100				
_			4.0	Pottom of hole at 4.0 feet	.8
				Bottom of hole at 4.0 feet.	

ENTACT & Associates, LLC

**BORING NUMBER SB-41-SW** 

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1010 Executive Court, Suite 280 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653

CLIEN	NT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site
	ECT NU				PROJECT LOCATION_Fairmont City, IL
	STARTE				
				R GeoServe, Inc.	
	ING ME				AT TIME OF DRILLING
				CHECKED BY P. Thomson	n AT END OF DRILLING
NOTE	S Samp	oler: 4'	Macro	o Core	AFTER DRILLING
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
	MC 1	73		slag, black, sandy, medium graiı	ance nce, pasty, pliable, creamy, moist, soft n, moist
5	MC 2	77		light gray to olive gray, coarse, v  5.5	wet 417.6
-	/\			mottled	
-				8.0	Bottom of hole at 8.0 feet.

ENTACT & Associates, LLC
1010 Executive Court, Suite 280
Westmont, Illinois 60559
Telephone: 630.986.2900
Fax: 630.986.0653

CLIENT Blue Tee Corp.

PROJECT NUMBER C1727

DATE STARTED 06/09/06 COMPLETED CONTRACTOR COSCEPT A LOCAL COSCEPT A LOCAL CONTRACTOR COSCEPT A LOCAL COSCEPT A L

# **BORING NUMBER SB-42-NE**

			36.0653	
CLIENT B		-	PROJECT NAME Old American Zinc Plant Site	
PROJECT				
DATE STA				
			R GeoServe, Inc. GROUND WATER LEVELS:	
DRILLING				
			CHECKED BY P. Thomson AT END OF DRILLING	
NOTES S	ampler:	4' Macro	cro Core AFTER DRILLING	
O DEPTH (ft) (ft) SAMPLE TYPE	NUMBER RECOVERY %	GRAPHIC LOG		
	/IC 1 60		SLAG, black, fine to coarse, dry brick, construction debris, wet  3.0  SILTY CLAY, yellow-tan, plastic, oxidation present, moist	4
+			light ash gray, black mottled silty clay	
5			dark gray, speckled with white crystals brown, black mottled silty clay, specs of white crystals, dry	
_ N	/IC 60		6.0 brown, mostly oxidized	
-/1	_		SANDY CLAY, brown, plastic, dry	
- / \			8.0	4
			Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-43-NE**

				.0653				
CLIENT Blue Tee Corp.						PROJECT NAME Old American Zinc Plant Site		
	ECT NU					PROJECT LOCATION Fairmont City, IL		
	STARTI				COMPLETED 06/12/06	GROUND ELEVATION 422.883 ft MSL HOLE SIZE 2"		
					erve, Inc.	GROUND WATER LEVELS:		
	ING ME			t Push		AT TIME OF DRILLING		
	SED BY_				CHECKED BY P. Thomson	AT END OF DRILLING		
NOTE	S Samp	ler: 4'	Macro	Core		AFTER DRILLING		
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION		
				1.0	SLAG, black, wood chips dark brown, coarse, dry	421.9		
 	MC 1	48		2.0	CONCRETE, crushed mixed with clay CLAYEY SILT, light gray, very moist white pasty material, yellow, coarse to	yey silt, light gray, brick debris, trace black cinders, moist  420.9  c cobble-size stones, very moist		
				3.5_/ \	SLAG-LIKE MATERIAL or cindery-like CLAYEY SILT, olive gray, plast, dry			
5	MC 2	79		\4.8_\\ \		ght rubber odor, yellow-white mottled ashy material / \\^\418_1 als speckled throughout, plastic, dry		
- 					light gray, stiff, brown-olive gray mottl brown, light gray mottled clay	ed clay		
10	MC 3	58						
	/\			11.0 _	CLAYEY SILT, light yellow, plastic, di	411.9		
_	/ \			12.0	bottom 0.5 inches clayey silt, light gra			
						Bottom of hole at 12.0 feet.		

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-43-NW**

PAGE 1 OF 1

Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/12/06 GROUND ELEVATION 422.857 ft MSL HOLE SIZE 2" DATE STARTED 06/12/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black medium, moist 422.4 SANDY SILT, brown, black mottled sandy silt DEBRIS, yellow crushed brick MC 75 SLAG, black, ground, medium, moist SILTY CLAY, dark gray, medium stiff, black mottled silty clay, mixed with black shiny medium grain pieces and 1420.9 white crystals dark red brick fragments 419.7 SILTY CLAY, dark gray, medium stiff, dry, white pasty residues, some crystals 418.9 some pieces of black shiny specs Bottom of hole at 4.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-43-SE**

	F	ax: 63	30.986	.0653				
CLIEN	NT Blue	Tee C	orp.			PROJECT NAME Old American Zinc Plant Site		
PROJ	ECT NU	MBER	C172	27		PROJECT LOCATION Fairmont City, IL		
DATE	STARTI	E <b>D</b> _06	/12/06	;	COMPLETED 06/12/06	GROUND ELEVATION 422.649 ft MSL HOLE SIZE 2"		
DRILL	ING CO	NTRA	CTOR	GeoS	erve, Inc.	GROUND WATER LEVELS:		
DRILL	ING ME	THOD	Direc	t Push		AT TIME OF DRILLING		
	ED BY_				CHECKED BY P. Thomson	AT END OF DRILLING		
	S Samp			Core		AFTER DRILLING		
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION		
	1		$\bowtie$	10	SLAG, black fine to medium, slightly	421.6		
	MC 1	60		1.7 ¬	brick debris, wood chunks, trace sand CONCRETE	420.9		
5	M			5.0		e, large stone with light purple colorations		
	мс			6.0	SILTY CLAY, dark gray, yellow veinir	ng, some minor oxidation		
	2	100	ana	0.0	CLAY, gray, brown mottled clay, med	lium stiff, moist		
-	/\							
-				8.0		Bottom of hole at 8.0 feet.		

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559

#### **BORING NUMBER SB-43-SW**

PAGE 1 OF 1

Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/12/06 GROUND ELEVATION 422.844 ft MSL HOLE SIZE 2" **DATE STARTED** 06/12/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION 0.5 SLAG, black, ground, dry 422.3 SANDY SILT, brown, mixed with brick and construction debris, moist MC light gray, beige mottled sandy silt CLAYEY SILT, brown, moist 419.8 ¬ slag-like material, black, moist CLAYEY SILT, black, plastic, some greenish mottled clayey silt, moist 5 dark gray, gravel sized rocks, subangular, greenish-tan colored with yellow staining, medium stiff, moist MC 81 2 gray brown mottled clayey silt 414.8 Bottom of hole at 8.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-44-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/13/06 GROUND ELEVATION 422.757 ft MSL HOLE SIZE 2" **DATE STARTED** 06/13/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, fine, soft, dry medium grain, dark brown, trace light blue medium grain pieces MC 60 SANDY SILT, gray, fill debris, white pasty ash, trace roots 1419.8 CONCRETE CLAY, gray, soft, plastic, dark brown and black mottled clay, moist 419.3 dark gray bottom 1.0 inch 418.8 Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-45-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL COMPLETED 06/07/06 GROUND ELEVATION 421.647 ft MSL HOLE SIZE 2" **DATE STARTED** 06/07/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ROTOMILL, asphalt, gravel mix, gray, dry 421.1 SLAG, black, fine, sandy, dry MC ground, medium grain, dry 69 SILTY SAND, dark gray, fine, moist CLAYEY SILT, gray, mottled, soft

SILTY CLAY, dark gray, cohesive, medium stiff, dry 5 MC 25 CLAY, gray, stiff 2 Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-46-SW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/06/06 GROUND ELEVATION 422.063 ft MSL HOLE SIZE 2" DATE STARTED 06/06/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ROTOMILL/ASPHALT mixed with gravel, soil, dry 421.6 SLAG, fine, black, mixed with sandy silt, dry MC 71 coarse, approximately 1-inch white/gray gravel, with glue-like residue, hard, opalescent brick debris slag, black, coarse, dry 5 approximately 7-inches of wood, wet, no odor MC 100 end of slag at 6.5 ft 2 SILT, dark gray, stiff, trace roots, moist CLAYEY SILT, plastic, moist Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-47-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/05/06 GROUND ELEVATION 421.185 ft MSL HOLE SIZE 2" **DATE STARTED** 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, roots, ground slag, black, coarse, dry 420.7 ∏ູSILT, gray 420.5 SLAG, cobble-size, gravel, brick debris MC 77 black, very fine, moist SILT, dark gray, trace slag chips, stiff mottled, medium stiff, cohesive, dry 5 gray, trace fine slag MC 100 2 6.5 SANDY SILT, gray, moist soft, moist 413.2 Bottom of hole at 8.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

#### **BORING NUMBER SB-48-NE**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/06/06 GROUND ELEVATION 420.953 ft MSL HOLE SIZE 2" DATE STARTED 06/06/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, grass, trace roots and gravel, dry 420.5 CLAYEY SILT, dark gray, stiff, dry MC 85 SANDY SILT, dark gray CLAYEY SILT, dark brown, stiff, gray mottling, dry sandy, brown, cohesive, stiff, dry 417.0 Bottom of hole at 4.0 feet.

#### **BORING NUMBER SB-49-SW**

PAGE 1 OF 1

Fax: 630.986.0653

CLIENT Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site

PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL

DATE STARTED 06/05/06 COMPLETED 06/05/06 GROUND ELEVATION 420.742 ft MSL HOLE SIZE 2"

DRILLING CONTRACTOR GeoServe, Inc. GROUND WATER LEVELS:

DRILLING METHOD Direct Push AT TIME OF DRILLING --
LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING --
NOTES Sampler: 4' Macro Core AFTER DRILLING ---

	S Samp			Core AFTER DRILLING	
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	
	MC 1	63		SLAG, black, ground, dry  CLAYEY SILT, dark gray, plastic, soft  SILTY CLAY, gray, trace oxidation (orange-brown veining), cohesive, soft  4.0 medium stiff, dry	419.7 418.7 416.7
	1			Bottom of hole at 4.0 feet.	410.7

**ENTACT & Associates, LLC BORING NUMBER SB-50-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/02/06 GROUND ELEVATION 423.108 ft MSL HOLE SIZE 2" DATE STARTED 06/02/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ASPHALT/ROTOMILL, crushed gravel, dry 422.6 SLAG, brown, mixed with debris, brick, white ash crushed stone, white with bluish-purple traces of ash MC 58 slag, black, fine, mixed with brick debris, medium coarse, dry 5 417.6 MC CLAYEY SILT, dark gray, plastic, very moist 46 2 dry 415.1 Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-51-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/09/06 GROUND ELEVATION 421.339 ft MSL HOLE SIZE 2" DATE STARTED 06/09/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION GRAVEL, fill, ground slag, black, dry 420.8 SLAG, black, medium to fine grain, dry MC 81 silty, mixed with debris, moist 5 MC 100 SILTY CLAY, dark gray, some small crystalline structures, plastic, medium stiff very dark gray CLAYEY SILT, dark gray, mixed with gravel, wet SILTY CLAY, gray, medium stiff, small amounts of oxidation, moist 10 MC 100 medium gray, stiff light brown mottled silty clay SANDY SILT, brown MC 100 15 405.3 Bottom of hole at 16.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-51-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/09/06 GROUND ELEVATION 420.664 ft MSL HOLE SIZE 2" DATE STARTED 06/09/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ASPHALT/ROTOMILL, mixed with gravel, dry 420.2 SLAG, black, medium to coarse grain, dry crushed brick debris, yellow MC 100 slag particles mixed with clayey silt, black reddish-brown SILTY CLAY, gray, black mottled sitly clay, small amounts of oxidation, dry 4.0 SANDY CLAY, brown, black mottled sandy clay, dry; bottom 3-inches are black 5 SILTY CLAY, dark gray, brown mottled silty clay, medium stiff, dry small amounts of oxidation MC 100 2 small amounts of white crystals speckled throughout silty clay gray, medium stiff 412.7 Bottom of hole at 8.0 feet.

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#### **BORING NUMBER SB-51-SW**

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Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/09/06 GROUND ELEVATION 422.771 ft MSL HOLE SIZE 2" DATE STARTED 06/09/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, gravel, slag, reddish-brown, coarse, dry ¬ SLAG, black, moist, dark brown-yellow silty clay fragments SILTY CLAY, gray, black and yellow mottled silty clay МС brick debris SILTY CLAY, dark gray, yellow mottled silty clay, trace black slag, moist SLAG, black, medium coarse, mixed with gray silty clay, wet 5 CLAYEY SILT, gray, moist 5.5. Iight brown, yellow-black mottled silty clay MC SILTY CLAY, white, mixed with gravel stained yellow 46 1416.8 CLAYEY SILT, dark gray, dry, crumbles easily 7.0 lost 1.5 feet down hole 8.0 Bottom of hole at 8.0 feet.

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#### **BORING NUMBER SB-52-NE**

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Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/13/06 GROUND ELEVATION 420.992 ft MSL HOLE SIZE 2" **DATE STARTED** 06/13/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ROTOMILL, wet \420.9 SLAG, brown to black, medium grain, moist MC 67 wood fragments, wet SANDY SILT, medium gray, brown mottled sandy silt, low plasticity, wet, trace slag CLAYEY SILT, gray, brown mottley clayey silt, soft to medium stiff, moist some oxidation, medium stiff 5 MC 81 SANDY SILT, brown, plastic, moist 2 SAND, brown, fine, well sorted, moist Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-52-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/12/06 GROUND ELEVATION 421.712 ft MSL HOLE SIZE 2" DATE STARTED 06/12/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION 0.5 ROTOMILL, dry 421.2 SLAG, black, medium, dry SAND, brown, medium grain, well sorted, moist MC 60 SLAG, black, dark red brick chunks, construction debris, covered with gray silty material, wet <u>4.0</u> SILT, gray, brown mottled silt, moist 5 light gray mottled silt MC small, speckeled white crystals 81 2 SILTY CLAY, dark gray, brown mottled sand, streaks of white, powder-like crystals, plastic, stiff clusters of white crystals, stiff, dry 413.7 Bottom of hole at 8.0 feet.

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#### **BORING NUMBER SB-52-SW**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/12/06 GROUND ELEVATION 423.084 ft MSL HOLE SIZE 2" **DATE STARTED** 06/12/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ROTOMILL, crushed asphalt, gravel, dry construction debris, bricks SAND, foundary sand, light brown, well sorted, sub rounded, medium grain, dry MC SLAG, black, coarse, trace yellow pasty substance covering some gravel-size slag, some purple stained slag, SLAG, black, medium grain, moist, end at 4.5 feet 5 CLAYEY SILT, brown, sandy, moist MC 417.1 65 2 SILTY CLAY, medium gray, black mottled silty clay, some oxidation dark gray Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-53-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/08/06 GROUND ELEVATION 420.804 ft MSL HOLE SIZE 2" DATE STARTED 06/08/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY **REMARKS** MATERIAL DESCRIPTION GRAVEL, light gray, dry 420.3 SLAG, ground medium to coarse, dark brown to black, dry CONCRETE, small, white debris fragments MC 100 ∬ SLAG, same as above CONCRETE, crushed, white, some cobble-size pieces, dry 418.8 SLAG-like material, medium to coarse, wet, covered with medium to light gray gray silty, 1418.3 5 CLAYEY SILT, medium gray, light gray-green clayey silt, very moist \416.3<sup>,</sup> with black mottling MC 6.0 414.8 100 SLAG-like material, gravel, wet with light gray, silty material 2 COLLAPSE, sleeve GRAVEL, stained with yellow, orange-yellow silt sludge, strong, sweet odor is stuck in spoon. 412.8 No sample. Bottom of hole at 8.0 feet. Relocate borehole approximately 3.0 feet west.

**BORING NUMBER SB-53-NE-A** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/08/06 GROUND ELEVATION 420.804 ft MSL HOLE SIZE 2" DATE STARTED 06/08/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, same as SB-53-NE from 0 to 4 feet bgs MC 71 SLAG, black, wet 5 MC 100 2 SILT, medium gray, moist CLAYEY SILT, medium gray, moist, mottled light green silty clay veining CLAY, gray, plastic, soft Bottom of hole at 8.0 feet.

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**BORING NUMBER SB-53-NW** 

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Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/08/06 GROUND ELEVATION 422.391 ft MSL HOLE SIZE 2" **DATE STARTED** 06/08/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black, medium to coarse, dry, brick debris, gravel MC 65 silty-sludge, tannish-yellow, soft SLAG black 5 SILTY CLAY, dark gray, plastic, stiff, dry mottled, black silty clay MC 100 brown, trace rust colored silty clay mottling, stiff 2 SANDY SILT, brown, moist Bottom of hole at 8.0 feet.

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### **BORING NUMBER SB-53-SW**

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Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/08/06 GROUND ELEVATION 421.79 ft MSL HOLE SIZE 2" **DATE STARTED** 06/08/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, black fine to medium, dry MC 69 Silt with slag, moist, dark gray, wood, strong creosote odor SAND, brown, medium, moist, strong creosote odor 5 CLAYEY SILT, black, trace yellow-green powder, soft, moist dark gray, clayey, dry, medium stiff, specs of yellow silty clay MC 100 2 413.8 Bottom of hole at 8.0 feet.

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### **BORING NUMBER SB-54-NE**

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Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/08/06 GROUND ELEVATION 421.049 ft MSL HOLE SIZE 2" DATE STARTED 06/08/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION GRAVEL, pulverized asphalt, dark gray, dry 420.5 SLAG, black, medium grain MC 69 2.2 ¬ piece of wood, brick debris, wet 418.8 SILTY CLAY, brown-orange, plastic, soft 417.8 trace slag and debris chunks of concrete, white 5 SLAG, black, moist 5.0 ~ r √416.0 wood, wet MC 100 SILT, dark gray, trace yellow sludge-like material, moist 2 dark gray, dry 414.0 light brownish-yellow SANDY SILTY CLAY, yellow-brown, plastic, dry Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-54-NW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL **PROJECT NUMBER** C1727 **COMPLETED** 06/08/06 GROUND ELEVATION 421.355 ft MSL HOLE SIZE 2" DATE STARTED 06/08/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION CONCRETE 420.9 SLAG, black, fine MC 48 coarse orange-red, moist, mixed with brick debris gray, coarse, wet 5 MC 31 SILTY CLAY, dark yellow mottled black CLAYEY SILT, black, soft to medium stiff, trace yellow silt veining, dry SILTY CLAY, dark gray, medium stiff, plastic, cohesive, moist МС 10 100 stiff mottled brown, trace fine silty clay, black medium gray, brown mottling, moist, medium stiff MC 100 very soft, pasty, wet 15 SANDY SILTY CLAY, gray, brown, mottling, moist 405.9 SANDY SILT, brown, moist, small black specs of silty material Bottom of hole at 16.0 feet. 16.0 405.4

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# **BORING NUMBER SB-55-N**

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	IT Blue					PROJECT NAME Old American Zinc Plant Site				
PROJ	ECT NU	MBER	<u>C172</u>	27		PROJECT LOCATION Fairmont City, IL				
	STARTE				COMPLETED <u>06/08/06</u>	GROUND ELEVATION 420.995 ft MSL HOLE SIZE 2"				
					erve, Inc.	_ GROUND WATER LEVELS:				
	ING ME			t Push		AT TIME OF DRILLING				
	ED BY_				CHECKED BY P. Thomson	AT END OF DRILLING				
NOTE	<b>S</b> Samp	ler: 4'	Macro	Core		AFTER DRILLING				
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION				
				1.0	SLAG, gravel, debris-fill, construction d	lebris	420.0			
  	MC 1	56			SILTY CLAY, gray-brown, soft, trace s	lag, debris pieces throughout, moist	<u> </u>			
5	V I				trace brick debris, cobble size brown, trace black silty slag, brick debri	oic o				
	MC 2	67		0.0	SILTY CLAY, dark gray, medium stiff, p		<u>415</u> .0			
					OLT FOLKT, dank gray, modum stin, p	nadio, trace black oit, ary				
				8.0		Bottom of hole at 8.0 feet.	413.0			

ENTACT & Associates, LLC **BORING NUMBER SB-57-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/06/06 GROUND ELEVATION 418.068 ft MSL HOLE SIZE 2" DATE STARTED 06/06/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION <u>1</u> 10.5 GRASS, topsoil, trace roots, dry 417.6 SILT, dark brown, mottled, clayey, stiff, dry MC 100 gray, cohesive 414.1 Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-58-SW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 06/05/06 GROUND ELEVATION 419.562 ft MSL HOLE SIZE 2" **DATE STARTED** 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, slag, crushed asphalt slag, crushed, brown-black, dry black, moist at 10-inches MC SILT, dark gray, slightly moist SILTY CLAY, gray, cohesive, soft light gray, medium stiff to stiff, cohesive 415.6 very stiff, dry Bottom of hole at 4.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-59-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/02/06 GROUND ELEVATION 420.103 ft MSL HOLE SIZE 2" **DATE STARTED** 06/02/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, gravel, crushed asphalt, rotomill, black, dry GRAVEL, ash, medium to fine SLAG, black, moist, trace white ash, brick debris MC 69 slag mixed with silt, brown to dark gray, moist CLAYEY SILT, dark gray, plastic, dry Bottom of hole at 4.0 feet.

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# **BORING NUMBER SB-60-NE**

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	F	ax: 63	30.986	.0653			
CLIEN	IT Blue	Tee C	orp.			PROJECT NAME Old American Zinc Plant Site	
PROJ	ECT NUI	ИBER	C172	27		PROJECT LOCATION Fairmont City, IL	
DATE	STARTE	<b>D</b> 06	/02/06	1	COMPLETED 06/02/06	GROUND ELEVATION 421.729 ft MSL HOLE SIZE 2"	
DRILL	ING COI	NTRA	CTOR	GeoS	Serve, Inc.	GROUND WATER LEVELS:	
	ING ME					AT TIME OF DRILLING	
	ED BY				CHECKED BY P. Thomson	AT END OF DRILLING	
	S Samp			Core		AFTER DRILLING	
11012	C Camp	Ю1. Т	Maore	0010		A TER DIVERNO	
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION	
			XXX	0.6	ROTOMILL gravel, crushed asphalt,		421.1
 	MC 1	73		4.0	SLAG, black, medium coarse, dry. B	rick debris between 1 and 2.0 feet	417.7
			$\bowtie$	<u>4.0</u> _	SILT, brown, slag fragments, moist		<u>417.7</u>
5	M				dark gray, trace fine slag, plastic, ver	v moist	
	MC 2	100	$\bowtie$	6.0			<u>415.7</u>
	2				gray mottled brown, plastic, cohesive	r, moist	
	$M_{\odot}$			8.0			413.7
- 1	1			0.0		Bottom of hole at 8.0 feet.	

**ENTACT & Associates, LLC BORING NUMBER SB-61-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/05/06 GROUND ELEVATION 419.385 ft MSL HOLE SIZE 2" DATE STARTED 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING\_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION BACKFILL, gravel, topsoil, brick debris, slag fragments, dry MC 52 rust-colored silt, cobble-size, black slag SILT, dark gray, light aqua blue specs (possible copper corosion?), soft, moist CLAYEY SILT, gray, brown mottled clayey silt, medium stiff, semi-moist, cohesive 5 MC 100 2 Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-62-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/05/06 GROUND ELEVATION 418.461 ft MSL HOLE SIZE 2" DATE STARTED 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, gravel, topsoil, brick debris SLAG, black, medium coarse, dry CLAYEY SILT, dark gray, moist, cohesive, soft МС 5 gray, medium stiff, mottled, small, white crystal specs, fine grain MC trace yellow ash material 100 2 some oxidation, slightly moist dark gray, medium stiff to stiff, slightly moist Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-63-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 06/05/06 GROUND ELEVATION 418.23 ft MSL HOLE SIZE 2" **DATE STARTED** 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION SLAG, dark brown, ground coarse, dry red-brown, moist 416.7 MC 69 SILT, gray, cohesive, trace roots mottled, medium stiff CLAYEY SILT, gray, soft, plastic Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-64-NW** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/05/06 GROUND ELEVATION 419.181 ft MSL HOLE SIZE 2" DATE STARTED 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, mixed with slag, black, fine, dry 418.7 SLAG, dark brown-black, ground brick debris MC 67 fine 415.7 wet, silty CLAYEY SILT, dark gray, medium stiff, cohesive, moist gray, mottled, soft, plastic, brownish-orange streaks (rust-like) veining 5 MC 100 2 medium stiff, dry Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-65-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL COMPLETED 06/06/06 GROUND ELEVATION 418.74 ft MSL HOLE SIZE 2" DATE STARTED 06/06/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, grass, black, trace roots, dry 418.2 CLAYEY SILT, dark gray, stiff, dry MC 100 very stiff 414.7 Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-67-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/02/06 GROUND ELEVATION 419.093 ft MSL HOLE SIZE 2" DATE STARTED 06/02/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ASPHALT \418.9 FILL, gravel, crushed stone 418.6 SILT, brown, gravel mix, dry MC 81 SANDY SILT, light brown light gray, trace fine black slag, moist to very moist CLAYEY SILT, dark gray, trace roots, moist 5 MC 100 2 CLAY, gray, stiff, moist 8.0 Bottom of hole at 8.0 feet.

**ENTACT & Associates, LLC BORING NUMBER SB-67-SE-A** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/14/06 GROUND ELEVATION 418.777 ft MSL HOLE SIZE 2" DATE STARTED 06/14/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ASPHALT, gravel 418.3 CLAYEY SILT, gray, moist, some trace gravel, slag GRAVEL, crushed, fine, silt-like MC 73 SANDY SILT, gray, black mottled, sandy silt, wet DEBRIS, bricks 3.0 In SILTY CLAY, dark gray, some oxidation mottled, medium stiff, dry 5 CLAY, gray, brown mottled clay, some oxidation, medium stiff 1414.8 MC 100 2 brown, gray mottled clay, stiff SILT, brown, low plasticity, wet 10 MC CLAYEY SILT, sandy, brown, medium stiff soft, sandy, very moist Bottom of hole at 12.0 feet.

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-67-SE-B**

PAGE 1 OF 1

				.0055						
	IT Blue		-			PROJECT NAME Old American Zinc Plant Site				
	ECT NUI					PROJECT LOCATION Fairmont City, IL				
	STARTE				<b>COMPLETED</b> 06/14/06	GROUND ELEVATION 418.592 ft MSL HOLE SIZE 2"				
DRILL	ING CO	NTRA	CTOR	GeoServe	e, Inc.	GROUND WATER LEVELS:				
DRILL	ING ME	THOD	Direc	t Push		AT TIME OF DRILLING				
LOGG	ED BY_	M. Go	tto		CHECKED BY P. Thomson	AT END OF DRILLING				
NOTE	S Samp	ler: 4'	Macro	Core		AFTER DRILLING				
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION				
 	MC 1	73		SAI 1.0 \ SLA 1.5 \ CO	L, gravel, topsoil, asphalt, dry  NDY SILT, brown, organic  AG, coarse, mixed with clayey silt, b  NCRETE, crushed  AYEY SILT, black, plastic, dry  dium gray, dark gray mottled clayey		418.1 \417.6  7  417.1  416.6			
5 _ 	MC 2	100		gra bro	ly, some oxidation, mottled clayey si					
 _ 10 _ 	MC 3	65		9.5 son	own, gray mottled sandy silt, soft, money black mottled sandy silt		40 <u>9</u> .1			
						Bottom of hole at 12.0 feet.				

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

### **BORING NUMBER SB-67-SE-C**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL **PROJECT NUMBER** C1727 **COMPLETED** 06/14/06 GROUND ELEVATION 418.58 ft MSL HOLE SIZE 2" DATE STARTED 06/14/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, asphalt, gravel fill, dry 418.1 CLAYEY SILT, gray, dry ¬ brown mottled clayey silt MC 56 2.0\_ \( \subset \subset \subset \text{SANDY SILT, brown, black mottled} \) SAND, brown, medium grain, well sorted 3.0 dark gray, brown mottled clayey silt, soft SAND, brown, fine to medium grain, well sorted, rounded, moist 5 MC 58 SILT, brown, wet, some slag-like pieces, black fine 409.6 9.0 CLAYEY SILT, brown, some oxidation, black-dark gray streaks of clayey silt, moist 10 MC 10.0 408.6 100 SANDY SILT, clayey, light gray mottled sandy-clayey silt, plastic, moist 407.6 SILTY CLAY, brown, plastic, soft, moist 406.6 Bottom of hole at 12.0 feet.

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

# **BORING NUMBER SB-68-NE**

PAGE 1 OF 1

	330.966.0033	
CLIENT Blue Tee C		
PROJECT NUMBER	R C1727	PROJECT LOCATION Fairmont City, IL
DATE STARTED 0	06/02/06 COMPLETED 06/0	02/06 GROUND ELEVATION 417.57 ft MSL HOLE SIZE 2"
DRILLING CONTRA	ACTOR GeoServe, Inc.	GROUND WATER LEVELS:
DRILLING METHO	D Direct Push	AT TIME OF DRILLING
LOGGED BY M. G	otto CHECKED BY P. 7	Thomson AT END OF DRILLING
NOTES Sampler: 4	1' Macro Core	AFTER DRILLING
O DEPTH (ft) SAMPLE TYPE NUMBER RECOVERY %		MATERIAL DESCRIPTION
11	FILL, debris, gravel, slag	416.6
MC 100	SILT, dark gray, trace ro	oots, plastic
$ \frac{1}{1}$ 100	gray, mottled	
/\	brown, trace roots, organ	nics
	4.0	Bottom of hole at 4.0 feet.
		Bottom of Hole at 4.0 feet.

ENTACT & Associates, LLC **BORING NUMBER SB-69-NE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 06/05/06 GROUND ELEVATION 416.179 ft MSL HOLE SIZE 2" DATE STARTED 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, black, trace roots, dry 415.7 SILT, black, plastic, dry MC 77 413.2 4.0 SILTY CLAY, dark gray, soft, cohesive Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

**ENTACT & Associates, LLC BORING NUMBER SB-70-SE** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 06/05/06 GROUND ELEVATION 418.821 ft MSL HOLE SIZE 2" **DATE STARTED** 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION ASPHALT, dry SANDY GRAVEL, crushed, brown, medium to fine, subrounded, dry SILT, gray, cohesive MC 100 trace slag, black, fine CLAYEY SILT, plastic, cohesive, trace roost, medium stiff, dry rust/oxidation streaks (veining) 414.8 dark orange-black, dry, soft Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

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# **BORING NUMBER SB-71-NE**

PAGE 1 OF 1

CLIENT Blue	Fax: 630.986.0653						
		NAME_Old American Zinc Plant Site					
		LOCATION Fairmont City, IL					
DATE STARTE		ELEVATION 419.28 ft MSL HOLE SIZE 2"					
		WATER LEVELS:					
LOGGED BY <u>I</u>		AT TIME OF DRILLING AT END OF DRILLING					
		AFTER DRILLING					
Jamp	Sier. 4 Macro Core	EK DKIELING					
O DEPTH (ft) SAMPLE TYPE NUMBER	GR/ GR/	AL DESCRIPTION					
	0.5 ASPHALT, slag, black, dry						
MC							
- NIC 1	100 25 gray, trace fine black slag	41_ــر					
	SILT, dark gray, trace roots, dry; end of trace fine I	olack slag					
11	4.0 CLAYEY SILT, dark gray, medium still, conesive, o	dry 41 of hole at 4.0 feet.					

**ENTACT & Associates, LLC BORING NUMBER SB-73-N** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/02/06 GROUND ELEVATION 417.517 ft MSL HOLE SIZE 2" DATE STARTED 06/02/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG DEPTH (ft) RECOVERY MATERIAL DESCRIPTION ASPHALT 417.0 SOIL, slag fragments, gravel SLAG MC 2.0 77 SANDY SILT, brown, dry gray, moist 413.5 dark gray to black, moist, fine slag-like material, trace roots, plastic, cohesive Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559 Telephone: 630.986.2900

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/13/08

### **BORING NUMBER SB-74-N**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/05/06 GROUND ELEVATION 417.278 ft MSL HOLE SIZE 2" DATE STARTED 06/05/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION FILL, gravel, asphalt, trace roots, dry CLAYEY SILT, dark gray, stiff, plastic, trace roots, cohesive, dry MC 100 413.3 Bottom of hole at 4.0 feet.

# ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559

# **BORING NUMBER DP-01A**

PAGE 1 OF 3

				one: 630.98 80.986.065				
CLIEN	NT _	Blue	Tee C	orp.			PROJECT NAME Old American Zinc Plant Site	
PROJ	EC	T NUI	MBER	C1727			PROJECT LOCATION Fairmont City, IL	
DATE	ST	ARTE	ED 01	/14/08	COMPLETED	01/15/08	GROUND ELEVATION 419.01 ft MSL HOLE SIZE 4"	
DRILL	-IN	G CO	NTRA	CTOR Rob	erts Drilling		GROUND WATER LEVELS:	
DRILL	-IN	G ME	THOD	HSA/Mud	Rotary		AT TIME OF DRILLING	
LOGG	EC	BY_	P. Tho	mson	CHECKED BY	Y P. Thom	SON AT END OF DRILLING	
NOTE	S _	HSA 1	to 25 f	eet bgs. M	ud rotary with tri-cone	e bit to 75 fo	eet bgs. AFTER DRILLING	
O DEPTH (ft)		SAMPLE IYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	
	\ /					0.4	TOPSOIL, black organic ~ 4 inches	418.0
  5		SS 1	75			1.4	5YR 2-5/1, SILTY CLAY,~ 1 foot, stiff, slightly moist, cohesive  10YR 5/4 CLAYEY SILT,soft, cohesive, slightly moist	417.0
	1					6.0		413.0
		SS 2	88			6.4	,	- ∕ 7 <u>412.</u> €
10						10.0	10YR 6/3 <b>SILTY SAND</b>	409.0
	1 / /						grading to SILT, moist, soft	
  		SS 3	100			15.0	clay content increasing with depth  CLAYEY SANDat 12.5 feet, saturated at bottom, striations of iron, becomes sandy clay at very bottom, dry, water in toe (shoe) of spoon	
		SS 4	80				10YR 6/3 CLAYEY SAND, saturated, cohesive ~ 2.5 feet  becomes CLAYEY SILT, moist, iron striations with clay/silt seams, moist	
20	$/ \setminus$	7				20.0		399.
20		SS 5	40			24.0	10YR 5/4 <b>SILTY SAND,</b> fine sand with silt, saturated	395.
25						24.		/ \ /_\394.
	M	SS	46		Attempted Shelby at 25 ft bgs. No Recovery. Blow in after shelby retrieval	*****	CLAYEY SAND, saturated to bottom 10YR 5/3, SAND, fine, well sorted, saturated, dense	- ∕∕∖3 <u>9</u> 4.i _ 
	M	6	<u>. 46</u>		No sample - augured to 30 ft bgs.		10YR 4/4, SAND ~ 10 inches, fine to medium, trace pebbles, saturated	
	$\mathbb{M}$			20	Blow in at 30 ft bgs. Lost Shoe.	29.0		<u>390</u> .
	M	SS 7	33		01/15/2008 - Moved		CLAYEY SILTin toe of sample	_/

### **BORING NUMBER DP-01A**

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ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653

CLIENT Blue Tee Corp.

PROJECT NUMBER C1727

PROJECT NAME Old American Zinc Plant Site

PROJECT LOCATION Fairmont City, IL

30 DEPTH	SAMPI F TYPE	NUMBER	RECOVERY % BLOW COUNTS (N VALUE)		REMARKS PROJECTION MATERIAL DESCRIPTION		MATERIAL DESCRIPTION	
	M				boring approximately 5 ft, designate		30.5 _ <b>SAND,</b> fine	388.5
-	M	SS	44	24	DB-01A. Switched	////	grading to 10YR 5/2 <b>CLAYEY SAND</b>	J
L -	JWI.	8			to mud rotary drilling		\10YR 5/3 <b>SILTY SAND</b> , fine, with pebbles, saturated	_/
	M				method. Blind drill to 25 ft bgs.		CLAYEY SAND  33.0 grading to 10YR 5/2 SILTY SAND fine, well sorted, moderately cohesive	386.0
-	W	SS	35	21	10 25 11 bgs.		grading to 10YR 5/2 <b>SILTY SAND,</b> fine, well sorted, moderately cohesive, saturated to 33 feet	300.0
ļ -	JY YI	9					10YR 4/2 <b>SAND</b> , fine, dense, saturated, moderately cohesive	_
35	M						,	
	М	SS	31	31				
-	<b>-</b>  } }	10					" · OII TV OAND "	
	M						grading to <b>SILTY SAND</b> , fine, moderately cohesive, medium dense	382.0
F -	M	SS	29	31			TOTAL ZE STATE TOTAL TOTAL CONTROL OF THE STATE OF THE ST	/
<u> </u>	<b>-</b>  } }	11					\ SILT, gray in bottom two inches, hard	_'
	W						10YR 4/1 <b>SAND</b> , fine to medium, some pebbles, well rounded, saturated, medium dense	380.0
T	M	SS	29	28		o 🗸	10YR 5/1 <b>SAND,</b> fine to medium, trace of small, well rounded gravel, wet,	
40	- X XI-	12				0 (	medium dense	
	W					)	41.0	378.0
	M	SS	23	28			10YR 5/1 SILTY SAND, fine to medium, moderately cohesive,	
-	$\exists X X \vdash$	13						
	W						43.0	376.0
	M	SS	31				10YR 5/1 SILTY SAND, fine, well sorted, saturated	
-	łX XI	14					44.5	374.5
45	W						☐ SILT, 1/4 inch seam, very dark gray	(1)
	M	SS	35				SAND, fine, trace pebbles, piece of gravel, saturated	$-/\sqrt{374.3}$
-	łX XI	15					10YR 5/1 <b>SAND</b> , fine to medium, trace pebbles, well rounded, saturated,	374.0
L -	M			24			medium dense	
	M	SS 16	25					
<u> </u>	ŧX XI	10					dense	
L -	()		07	00				
50	M	SS 17	27	83				
	1X XI	''					50.7	368.3
	<del>{                                    </del>	SS	32	22		YYYY	black organic seam, wood fragments	$-\sqrt{2}$
	W	18	32	22			51.0 \ 10YR 2/1 SILT, in toe (shoe), "mud-like", saturated, cohesive	
	111						10YR 5/1 <b>SAND</b> , fine to medium, trace well rounded pebbles and quartz, dense, saturated	
<u>_</u> –	<del>(                                    </del>	SS	29	34			delise, saturated	
7/97	$\mathbb{N}$	19	23	04				
5 .	MΛ					1 1	54.5	364.5
55	$\left\{ \chi \right\}$	SS	29	25			SILTY SAND in toe	<u>~</u> 7364.0
ś	$\mathbb{N}$	20					10YR 5/1 <b>SAND,</b> fine to medium, poorly sorted	
	M							
~}- -	$(\lambda)$	SS	32	22		, U	grading to medium to coarse with gravel, saturated, medium dense	
5 n − −	JY YI	21					58.0	361.0
3	M						58.5 same as above with pebbles ~ 9 inches	/ √360.5
GGENERAL BY 17 VWELL COS. GPJ 00 00 00 00 00 00 00 00 00 00 00 00 00	M	SS	25				10VP 4/1 SILT saturated in top - 3 inches	-//
60	<b> }</b>	22					59.0 SY 4/1 SILT, with fine sand, wet, cohesive, soft	J \360.0°
 	$\mathbb{N}$						or with the same, well controlled to some	
<u>-</u>	M	SS	29					
<u>-</u>	<b> XX</b>	23					same as above, slight laminations of dark grey, wet to 62 1/4 ft, cohesive	356.6
اب ا	$\mathbb{N}$						63.0 SAND, fine to coarse sand, poorly sorted, wet, pebbles, gravel, quartz	356.0
함 -	ИИ	SS	29	55			5Y 4/1 CLAY, pliable, medium dense, cohesive, moist	000.0
áL _	$\mathbb{N}$	24					, , , , , , , , , , , , , , , , , , , ,	

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Fax: 630.986.0653

**BORING NUMBER DP-01A** 

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CLIENT Blue Tee Corp.

PROJECT NAME Old American Zinc Plant Site

PROJ	ECT N	UMBE	R_C1727			PROJECT LOCATION Fairmont City, IL					
DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION					
65	SS 25	5 50	9			grading to CLAYEY SILTin toe					
	/\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5 50				5Y 4/1 <b>CLAY</b> , pliable, moist, cohesive					
70	SS 27	5 50		K = 5.33E-07 cm/s i = 12.14							
- +	SS 28	5 50									
	SS 29	3 23	22	-		73.0 grading to CLAYEY SILT,dense, wet, cohesive, with clay  5Y 5/1 SANDY SILTin toe, wet  5Y 4/1 SAND, fine to coarse, sub gravel, well rounded pebbles, quartz					
75	/ \				): : : : :	75.0 344.0 Bottom of hole at 75.0 feet.					
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08											

#### **ENTACT & Associates, LLC** 1010 Executive Court, Suite 280 Westmont, Illinois 60559

BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08

**BORING NUMBER DP-02** 

Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. **PROJECT NAME** Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 GROUND ELEVATION 421.049 ft MSL HOLE SIZE 4" DATE STARTED 01/15/08 **COMPLETED** 01/16/08 **DRILLING CONTRACTOR** Roberts Drilling **GROUND WATER LEVELS:** DRILLING METHOD HSA/Mud Rotary AT TIME OF DRILLING \_---LOGGED BY P. Thomson CHECKED BY P. Thomson AT END OF DRILLING ---NOTES HSA to 19 feet bgs. Mud rotary with tri-cone bit to 75 feet bgs. AFTER DRILLING ---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY **REMARKS** MATERIAL DESCRIPTION Blind drill to 4 feet (rubble) ΑU 0 417.0 5 No recovery - rubble in area SS 0 9.0 412.0 10YR 4/3 **SILTY CLAY**, cohesive, medium dense, moist at 12 feet 10 SS some overlying rubble slough 15 SS 50 10YR 4/3 SILTY CLAY, moist to very moist at toe, soft, cohesive 4 SS rubble slough 25 5 10YR 4/1 SILTY CLAY, stiff, cohesive, moist 402.0 20 SS 10YR 5/4, **SANDY SILT,**in toe, soft, moist 79 6 400.0 same as above ~ 3 inches SS 50 10YR 4/3 SILTY SAND, with some clay seams, wet medium dense, moderately cohesive 10YR 5/3 <<B>SAND, fine, some silt, black, trace fine pebbles, well sorted, black laminations of silt SS 54 8 SANDY SILT, dense, moderately cohesive, wet 396.0 10YR 5/3 SAND, fine to medium, trace pebbles, well rounded, wet SS 9 10YR 5/4 SAND, fine to medium, some silt, soft, wet SS 63 10

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Westmont, Illinois 60559
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### **BORING NUMBER DP-02**

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CLIENT Blue Tee Corp.

PROJECT NAME Old American Zinc Plant Site

PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL

				<u> </u>		PROJECT LOCATION Faiithout City, IL	-
00 DEPTH (ft)	SAMADI E TVDE	SAMPLE ITPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	
	X	11	50			31.0 Bottom six inches 10YR 5/2 SILTY SAND, medium dense, wet 10YR 4/1 SANDY SILT	390.0
	$\frac{1}{N}$	SS 12	69			33.0 grading to SILT, dense, cohesive	388.0
	$\left  \right $	SS 13	100	K = 6.92E-07 cm/s i = 4.24		10YR 6/1 CLAY, soft, cohesive, pliable grading to CLAYEY SILTbottom six inches	
35	M	SS 14	100			CLAY in toe 10YR 5/1 CLAY, pliable, cohesive, very moist, some silt	
-		ST	400	PUSHED SHELBY TUBE		grading to CLAYEY SILT	_ <u>384</u> .0_ /
-	\ /	1	100	Driller's remark: "sandy at bottom of Shelby"		CLAY in toe  39.0 SHELBY TUBE  10YR 5/1 SAND, fine to medium, trace pebbles, wet, some silt	
40	$\mathbb{M}$	SS 15	50	K = 8.11E-04 cm/s i = 3.09		41.0	380.0
-	$\frac{1}{2}$	SS 16	67			10YR 5/1 SANDY SILT, fine, dense, wet  SILT in toe	378.0
	M	SS 17	56			10YR 4/1 <b>SAND</b> , coarse, poorly sorted, medium dense, wet, pebbles, well rounded, quartz	
45	$\bigvee$	SS 18	54				
	$\bigvee$	SS 19	50			SILTY SANDseam ~ 1 inch SAND, fine, some silt	<u>373.7</u>
50	M	SS	71		o .	grading to medium sand, poorly sorted, quartz	<u>372</u> .0
	A	20	71			$1$ 1 inch organic seam with trace wood $\frac{51.0}{1}$ bottom three inches fine to medium sand, pebbles, some silt, moist	; ; <u>370</u> .0
	$\mathbb{N}$	SS 21	63			SAND, coarse sand and gravel    grading to SAND, fine to medium, poorly sorted with pebbles, well rounded, dense	     <u>368</u> .0
0/92/20 - - - - - - - - - - - - - - - - - - -	$\left  \right $	SS 22	63			grades to SANDT SILT ~ 1 loot	     -
		SS 23	38			2.5Y 4/1 SILTY SAND, very dense, moderately conesive, wet 2.5Y 4/1 SANDY SILT, dense, wet 2.4 Y 4.1 SILTY SAND, soft, some pebbles, wet	_
S.GPJ G	$\bigwedge$	SS	58			57.0	364.0 363.0
GENERAL BH / TP / WELL OAZ LOGS, GPJ GNT US, GDJ 02/28/08	$\left\langle \cdot \right\rangle$	24 SS				☐ Dark brown CLAYEY SILTseam  59.0 ☐ grading to SILTY SAND, dense, wet,	-
A WELL	$\left  \right $	25	58			\moderately cohesive	J
	X	SS 26	25				
	$\mathbb{X}$	SS	33			(Continued Next Page)	

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**BORING NUMBER DP-02** 

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CLIENT Blue Tee Corp.

PROJECT NAME Old American Zinc Plant Site

SS 29 63    SS 29 63	PROJECT NUMB	ER C1727	PROJECT LOCATION Fairmont City, IL	
SS 29 63    SS 29 63			GRAPHIC LOG MATERIAL DESCRIPTION	
2.5Y 4.1 CLAYEY SILT, cohesive, wet, soft, some well rounded pebbles ~ 4 inches  SAND with silt, well sorted, wet, cohesive  black laminatios of wood with some silt, 2.5Y 4/1  2.5Y 5/1 SILTY CLAY, medium dense, pliable, cohesive, wet, soft to medium stiff ~ 9  to 10 inches  2.5Y 4/1 SAND, fine, wet, dense  2.5Y 4/1 SAND, fine, wet, cohesive, black laminations  CLAYEY SILTin toe, wet, cohesive, black laminations  2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0  2.5Y 5/1 CLAYEY SILTseam ~ 1 inch, cohesive, soft at 71.5 feet  SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded  75.0	65 27		64.7	356.3
2.5Y 4.1 CLAYEY SILT, cohesive, wet, soft, some well rounded pebbles ~ 4 inches  SAND with silt, well sorted, wet, cohesive  black laminatios of wood with some silt, 2.5Y 4/1  2.5Y 5/1 SILTY CLAY, medium dense, pliable, cohesive, wet, soft to medium stiff ~ 9  to 10 inches  2.5Y 4/1 SAND, fine, wet, dense  2.5Y 4/1 SAND, fine, wet, cohesive, black laminations  CLAYEY SILTin toe, wet, cohesive, black laminations  2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0  2.5Y 5/1 CLAYEY SILTseam ~ 1 inch, cohesive, soft at 71.5 feet  SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded  75.0	\		65.0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ 13 <b>5</b> 6.1
SS 30  SAND with silt, well sorted, wet, cohesive black laminatios of wood with some silt, 2.5Y 4/1  2.5Y 5/1 SILTY CLAY, medium dense, pliable, cohesive, wet, soft to medium stiff ~ 9 to 10 inches  2.5Y 4/1 SAND, fine, wet, dense grading to coarse with quartz  CLAYEY SILTin toe, wet, cohesive, black laminations  2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0  2.5Y 5/1 CLAYEY SILTseam ~ 1 inch, cohesive, soft at 71.5 feet  SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded  75.0	$-\frac{1}{29}$   6	3	2.5Y 4.1 CLAYEY SILT, cohesive, wet, soft, some well rounded pebbles ~ 4 inches	
black laminatios of wood with some silt, 2.5Y 4/1    SS   30	()		67.0  SAND with all the well ported was cohooling.	<u>354</u> .(
70 SS 31 92  SS 31 46  SS 31 46  SS 32 50			*°°°°	
2.5Y 5/1 SILTY CLAY, medium dense, pliable, cohesive, wet, soft to medium stiff ~ 9 to 10 inches  2.5Y 4/1 SAND, fine, wet, dense grading to coarse with quartz CLAYEY SILTin toe, wet, cohesive, black laminations 2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0 SS 31 46 SS 32 50 SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded 75.0	30		black laminatios of wood with some silt, 2.5Y 4/1	<u>352</u> .
2.5Y 4/1 SAND, fine, wet, dense grading to coarse with quartz  CLAYEY SILTin toe, wet, cohesive, black laminations 2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0  SS 32 50  SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded  75.0	\ \ \ \		2 5Y 5/1 SILTY CLAY medium dense pliable cohesive wet soft to medium stiff ~ 9	
SS 31 46  SS 31 46  SS 32 50  71.0 2.51 4/1 SAND, line, wet, dense grading to coarse with quartz CLAYEY SILTin toe, wet, cohesive, black laminations 2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0 2.5Y 5/1 CLAYEY SILTseam ~ 1 inch, cohesive, soft at 71.5 feet SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded 75.0		)2	169.9 \( \tau_0	<u>351</u> .
2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0  2.5Y 5/1 CLAYEY SILTseam ~ 1 inch, cohesive, soft at 71.5 feet  SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded  75.0	// 0.		2.5Y 4/1 <b>SAND</b> , fine, wet, dense	<u>350</u> .
2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0  2.5Y 5/1 SAND, coarse, quartz, poorly sorted, well rounded, wet, cohesive, silty  73.0  2.5Y 5/1 CLAYEY SILTseam ~ 1 inch, cohesive, soft at 71.5 feet  SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded  75.0	$M_{ss}$		CLAYEY SILTin toe, wet, cohesive, black laminations	<i>i</i>
SS 32 50 SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded 75.0	$ \rangle  31 ^4$	ю		
SS 32 50 SAND, coarse, poorsly sorted, pebbles and gravel, wet, quartz, well rounded 75.0	<del>{ }  </del>		2.5Y 5/1 <b>CLAYEY SILT</b> seam ~ 1 inch, cohesive, soft at 71.5 feet	348.
75 /\ 32     75.0	- \  ss   <sub>5</sub>	60		
Bottom of hole at 75.0 feet.	75		75.0	346
			Bottom of hole at 75.0 feet.	

# ENTACT & Associates, LLC

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# BORING NUMBER DP-03 PAGE 1 OF 3

	CLIE	<b>NT</b> _	Blue	Tee C	orp.				PROJECT NAME Old American Zinc Plant Site			
L	PROJ	IEC	r NUI	MBER	C1727				PROJECT LOCATION Fairmont City, IL			
l	DATE	ST	ARTE	ED 01	/16/08	COMPLETED	01/17	7/08	GROUND ELEVATION 420.25 ft MSL HOLE SIZE 4"			
I	DRILI	LING	CO	NTRA	CTOR Rob	erts Drilling			GROUND WATER LEVELS:			
I	DRILI	LING	ME	THOD	HSA/Mud	Rotary			AT TIME OF DRILLING			
I	LOGO	3ED	BY_	M. Go	tto	CHECKED BY	P. Tł	nomson				
l	NOTE	S_I	HSA 1	to 20 f	eet bgs. M	ud rotary with tri-cone	bit to	75 feet bgs.	AFTER DRILLING			
	DEPTH (ft)	SAMPI E TYPE	NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	GRAPHIC LOG		MATERIAL DESCRIPTION			
80/92	5 - 10 - 15		AU 1					auger Refer	D DRILL to 20 ft bgs (location approximately 15 ft south of MW-05) r cuttings consist of clays, silty clays, and silts to boring log MW-05 for lithology to 20 ft bgs.			
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08	20 -		ST 1	63		K = 6.63E-05 cm/s i = 2.55		Pushe	ed Shelby Tube ~ 15 inches of recovery	400.3 398.3		
SS.GPJ GIN	-	$\bigvee$	SS 2	54	22				2 5/2 <b>SILT</b> , dense, wet, cohesive, soft			
L OAZ LOG	25	M	SS 3	63	17			24.7 26.0 gradir	ng to 10YR 4/1 <b>SANDY SILT</b> ,wet, moderately cohesive, dense	395.6 394.3		
H / TP / WEL	-	M	SS 4	42	32		• • • • • • • • • • • • • • • • • • • •		4.1 SAND, fine, well sorted, dense, wet			
SENERAL BI	30	M	SS 5	38	38			SANE	<b>D</b> , fine, quartz, well rounded in toe, wet, some silt			
$\smile$ $\Box$		, I					· · · •	·				

### **BORING NUMBER DP-03** PAGE 2 OF 3

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ENTACT & Associates, LLC

PROJECT NAME Old American Zinc Plant Site

PROJECT NUMBER C1727

CLIENT Blue Tee Corp.

PROJECT LOCATION Fairmont City, IL

о ОЕРТН			SAMPLE 17 PE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS (SKAPHIC)			MATERIAL DESCRIPTION	
	_	$\bigvee$	ss	50	24				Y 5/1 <b>SAND</b> ,medium to coarse, poorly sorted, sub angular, quartz	
-		$\triangle$	6	00				32.0	ding to 2.5Y 5/1 <b>SAND</b> , fine, dense, wet, well sorted, rounded	388.3
_	-	M	SS 7	50	23			2.5	inches of slough Y 4/1 <b>SAND</b> , fine to medium, some quartz, sub angular, dense, wet, nesive, some pebbles	
_ 3	5_	M	SS	46	44			35.0		385.3
-		$\triangle$	8					35.5	inches of black laminations, silty	- <del> </del>
-	4	$\bigvee$	SS 9	35	16				rinches 2.5Y 4/1 <b>SAND</b> , fine Y 4/1 <b>SAND</b> , fine, dense, wet, well sorted, quartz, rounded	
_	4	$\langle \rangle$	<u> </u>					20.0		204.7
-	-	$\mathbb{V}$	SS 10	52	24			· — ·	ck lamination seam, fine to medium sand, pebbles, sub angular	_/_381.7
_ 40	0	$\langle \cdot \rangle$						2.0	1 47 GARB, III.C, Saturated, defice, trace sin	
-	-	X	SS 11	46	37			2.5	Y 4.1 <b>SAND</b> , fine, dense, wet to moist	
-	4	$\langle \cdot \rangle$								
-	-	X	SS 12	50	38			2.5	Y 5/1 <b>SAND</b> , fine, dense, wet	
-	-	$\langle \cdot \rangle$								
4	5	X	SS 13	63	45					
-	+	$\langle \cdot \rangle$								
-	-	X	SS 14	67						
F	+	$(\cdot)$					*****	SIL	.TY SAND, black, ~ 0.25 inch seam	
F	-	X	SS 15	63	46					
_ 50	0	$(\cdot)$							Y 4/1 SAND, fine, dense, wet	
-	-	X	SS 16	63	35			SOF	me 2.5 4/1 <b>SILTY SAND</b> in toe, ~ 2 inches, wet	
-	+	$(\cdot)$						2.5	Y 5.1 <b>SAND</b> , fine, dense, wet	
8  -	-	X	SS 17	58	54				.TY SAND, black, fine, ~ 5 inch seam	/_367.3
02/26	+	$\langle \cdot \rangle$						<u>54.0</u>	ck laminations mixed with fine sand, dense, wet	366.3
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08	5_	X	SS 18	56	49			2.5	Y 4/1 <b>SAND,</b> fine, dense, wet, some silt	
Ď L	+	$\forall$						bla	ck laminations bottom 6 inches	
9 9 -	-	X	SS 19	50						
- OGS.(	1	$\langle \cdot \rangle$								
OAZ   60	_	$\mathbb{X}$	SS 20	67	32				.TY CLAY,medium dense, cohesive, plaible, some pebbles, well inded, wet ~ 10 inches	260.0
	U_	$\langle \gamma \rangle$	99			Attempted to push		7	e sand bottom 3 inches	<u>360.3</u>
<u>~</u>  -	+	$\mathbb{X}$	SS 21	71	38	Shelby Tube between 60 and 62		2.5	Y 4/1 SAND, fine, dense, wet, some silt	
H-	+	$\langle \rangle$				ft bgs. Driller's remarks: pushed			Y 4/1 SILT, dense, wet, ~ 5 inches	358.3
ERAI  -	+	$\mathbb{X}$	SS 22	63	37	approximately 8 to 10 inches, felt like	•••••		iding to fine <b>SAND</b> , some silt, dense, wet iding to coarse sand, well sorted, rounded, quartz	
ÿ <u>├</u>	-	$ \searrow  $				sand, hard to push.	*****	yıa	iding to obtaine band, wen sorted, rounded, quartz	

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CLIENT Blue Tee Corp.

PROJECT NAME Old American Zinc Plant Site

**BORING NUMBER DP-03** 

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**PROJECT NUMBER** C1727 PROJECT LOCATION Fairmont City, IL

PRO	PROJECT NUMBER C1727						PROJECT LOCATION Fairmont City, IL
DEPTH (ff)	SAMPLE TYPE NUMBER		RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
65	X	SS 23	50	32	Stopped - pushed split-spoon to log 60 to 62 ft bgs.		
	X	SS 24	54				66.2 2.5Y 4/1 <b>&gt;SILT, sandy-silt, cohesive, wet, black laminations bottom 6 354.1 inches 2YR 4/1 SAND, fine, dense, wet, medium, grading to poorly sorted, sub rounded</b>
	$\bigvee$	SS	46				medium sand, trace coarse sand, dense, sub-rounded to rounded, quartz, wet
70	$\frac{1}{1}$	25 SS					
	$\bigvee$	26	50	35			
-	$\frac{1}{}$	SS 27	58				
75	$\frac{1}{}$	SS 28	46	38			medium to coarse, pebbles, sub-rounded, poorly sorted, quartz, sub-angular 75.8 344.5
ļ .	<u> </u>					7 1 1 1 1 7	SILTY SAND, fine, dense, wet in bottom inch, in toe
T 02/26/08							
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08							

**ENTACT & Associates, LLC WELL NUMBER MW-01** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/19/06 GROUND ELEVATION 416.512 ft MSL HOLE SIZE 2" **DATE STARTED** 06/19/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:**  $\sqrt{2}$  AT TIME OF DRILLING 15.0 ft / Elev 401.5 ft DRILLING METHOD Direct Push LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core; well installed with hollow-stem auger on 6/21/2006ER DRILLING 17.9 ft / Elev 398.6 ft SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION WELL DIAGRAM 0\_1 \_ TOPSOIL, grass \416.4<sup>'</sup> ■Concrete pad SILTY CLAY, black, stiff, trace roots, plastic, dry gray, some oxidation MC 91 dark gray mottled silty clay, medium stiff Schedule 40 bottom 2.0-inches soft **PVC** gray, soft, plastic, light brown mottled silty clay, dry 5 Bentonite MC 410.5 100 pellets CLAY, gray, brown mottled clay, stiff, some oxidaton 9.0 407.5 SANDY CLAY, brown, gray mottled sandy clay, dry 10 MC 10.0 406.5 81 CLAY, brown, gray mottled clay, soft to medium stiff, plastic, dry Quartz filter some dark gray staining, stiff sand (NSF) 404.0 brown, soft, light gray mottled clay, moist SILTY SAND, brown, moist MC 73 15 401.5 SAND, brown, fine, moist, saturation begins around 15.0 ft 400.5 Bottom of hole at 16.0 feet. Schedule 40 Slotted PVC.  $\mathbf{V}$ 0.010-inch slots

**ENTACT & Associates, LLC WELL NUMBER MW-02** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION\_Fairmont City, IL PROJECT NUMBER C1727 **COMPLETED** 06/15/06 GROUND ELEVATION 418.582 ft MSL HOLE SIZE 2" DATE STARTED 06/15/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:**  $\sqrt{2}$  AT TIME OF DRILLING 14.5 ft / Elev 404.1 ft DRILLING METHOD Direct Push LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core; well installed with hollow-stem auger on 6/1 24 DRILLING 19.1 ft / Elev 399.5 ft SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY **REMARKS** MATERIAL DESCRIPTION WELL DIAGRAM 0.2 / TOPSOIL, trace roots, dry Concrete pad K = 8.01E-07 cm/sCLAYEY SILT, black, plastic, dry i = 25.5brown, dark brown mottled clayey silt, dry MC 69 415.6 3.0 SANDY SILT, brown, fine, dry Schedule 40 **PVC** 5 413.6 SILTY SAND, brown, dry ■Bentonite MC 81 pellets very moist at 7.5 ft 10 MC 10.0 408.6 SAND, brown, fine, well sorted Quartz filter sand (NSF) some oxidation, wet SILTY SAND, brown, fine, wet MC 100 15 SAND, brown, fine, well sorted 402.6 Bottom of hole at 16.0 feet. Schedule 40 Slotted PVC. 0.010-inch slots  $\mathbf{V}$ 

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08

#### **WELL NUMBER MW-03**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/15/06 GROUND ELEVATION 419.456 ft MSL HOLE SIZE 2" DATE STARTED 06/15/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:**  $\sqrt{2}$  AT TIME OF DRILLING 15.0 ft / Elev 404.5 ft DRILLING METHOD Direct Push LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core; well installed with hollow-stem auger on 6/13/2067ER DRILLING 10.8 ft / Elev 408.7 ft SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION **REMARKS** WELL DIAGRAM SLAG, black, fine, dry mixed with fill and brick debris ■Concrete pad MC 60 coarse, oxidized Schedule 40 4.5 415.0 **PVC** 5 SILT, dark gray, plastic, moist MC 6.0 413.5 63 Bentonite SILTY CLAY, gray, medium stiff pellets K = 6.18E-06 cm/si = 16.0brown mottled silty clay, stiff gray to light gray mottled silty clay, medium stiff, plastic brown mottled silty clay, cohesive, stiff 10 MC 78 TSANDY SILT, brown, very moist, light gray mottled sandy 409.0 silt, some oxidation brown, slightly wet Quarz filter sand (NSF) light gray, brown mottled sandy silt, wet 13.0 406.5 SILTY SAND light brown, wet MC 88 brown, fine, saturated 15 light gray, brown mottled silty sand, moist, some oxidation 403.5 Bottom of hole at 16.0 feet. Schedule 40 Slotted PVC, 0.010-inch slots

**ENTACT & Associates, LLC WELL NUMBER MW-04** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site **PROJECT NUMBER** C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/15/06 GROUND ELEVATION 418.196 ft MSL HOLE SIZE 2" DATE STARTED 06/15/06 DRILLING CONTRACTOR GeoServe, Inc **GROUND WATER LEVELS:** DRILLING METHOD Direct Push ✓ AT TIME OF DRILLING 13.0 ft / Elev 405.2 ft LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core; well installed with hollow-stem auger on 6/24/2015/ER DRILLING 18.2 ft / Elev 400.0 ft SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY DEPTH (ft) MATERIAL DESCRIPTION **REMARKS** WELL DIAGRAM TOPSOIL, black, trace roots and gravel, dry 417.7 Concrete pad SILT, black, plastic, dry 1.0 417.2 SLAG, fine, oxidized MC 94 CLAYEY SILT, dark gray, dry 417.0 brown mottled clayey silt 3.0\_ \415.2 SILTY CLAY, gray, brown mottled silty clay, medium stiff, Schedule 40 PVC black mottled silty clay 5 Bentonite 5.5 some oxidation 412.7 pellets MC SILTY SAND, gray, brown mottled silty sand, cohesive, 81 2 7.5 410.7 CLAY, gray, some oxidation, plastic, soft, some black specs, dry Quarz filter K = 1.41E-07 cm/s409.2 sand (NSF) SILT, brown, light gray mottled silt, moist i = 19.210 MC 408.8 SILTY CLAY, light gray, medium stiff, brown mottled clay, 56 plastic, cohesive 406.7 <u>11.5</u> SILTY SAND, brown, moist 405.7 13.0 405.2 SAND, slightly silty, brown, very moist MC 100 Schedule 40 15 Slotted PVC. 0.010-inch 16.0 olive gray, moist 402.2 slots Bottom of hole at 16.0 feet.  $\mathbf{V}$ 

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08

**ENTACT & Associates, LLC WELL NUMBER MW-05** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL **PROJECT NUMBER** C1727 **COMPLETED** 06/15/06 GROUND ELEVATION 420.327 ft MSL HOLE SIZE 2" DATE STARTED 06/15/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push ¥ AT TIME OF DRILLING 18.5 ft / Elev 401.8 ft LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core; well installed with hollow-stem auger on 6/24/2015/ER DRILLING 22.6 ft / Elev 397.7 ft SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY **REMARKS** MATERIAL DESCRIPTION WELL DIAGRAM ASPHALT, crushed, trace crushed white gravel, fine, dry 419.8 Concrete pad SLAG, black, fine to medium, wet MC 44 3.0 417.3 SILT, dark gray, moist 4.0 416.3 Schedule 40 SITLY CLAY, dark gray, trace white powdery crystals, **PVC** 5 trace amounts of oxidation, plastic, soft gray, slightly moist MC 94 trace roots Bentonite medium stiff, some oxidation, slightly moist pellets light gray, brown mottled clay, medium stiff, semi-moist, plastic, cohesive 10 brown, light gray mottled silty clay MC 100 409.3 CLAY, brown, light gray mottled clay, stiff, dry to slightly moist 13.0 407.3 SILT, brown, light gray mottled silt, plastic MC CLAY, brown, light gray mottled clay, medium stiff, plastic, 54 cohesive, dry 15 K = 4.35E-07 cm/ssome oxidation Quartz filter i = 19.9<u> 15.5</u> 404.8 sand (NSF) 404.3 \ SILTY CLAY, brown, oxidation, dry CLAY, brown, light gray mottled clay, dry 16.5 1403.8 SILT, brown, very moist MC 100 5 saturated between 18.0 and 19.0 ft 20 20.0 400.3 Bottom of hole at 20.0 feet. Schedule 40 Slotted PVC 0.010-inch  $\mathbf{V}$ slots

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08

#### **WELL NUMBER MW-06**

PAGE 1 OF 1

Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site **PROJECT NUMBER** C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/19/06 GROUND ELEVATION 419.64 ft MSL HOLE SIZE 2" DATE STARTED 06/19/06 DRILLING CONTRACTOR GeoServe, Inc **GROUND WATER LEVELS:** DRILLING METHOD Direct Push ✓ AT TIME OF DRILLING 17.0 ft / Elev 402.6 ft LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core; well installed with hollow-stem auger on 6/2 20 20 20 21 20 21 21 21 21 21 21 22 22 22 22 23 24 ft / Elev 397.3 ft SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION WELL DIAGRAM <u>\\</u>0.5 TOPSOIL, grass with black soil, dry 419.1 Concrete pad SANDY SILT, black, organic, trace roots, plastic, dry MC SILTY CLAY, dark brown, stiff, dry, medium gray mottled silty clay, dry 416.6 SANDY SILT, brown, medium stiff, dark gray mottled, sandy clay, dry 41<u>5</u>.6 Schedule 40 CLAY, brown, gray mottled clay, stiff, dry **PVC** 5 5.0 SANDY SILT, brown, moist, some oxidation MC 6.0 413.6 60 CLAY, brown, medium stiff, dark brown streaks ■ Bentonite pellets 411.6 soft, dry SILTY SAND, brown, light gray mottled silty sand, moist 10 MC 73 CLAY, brown, light gray mottled clay, fine black streaks, medium stiff 11.0 408.6 SAND, brown, fine, wet 12.0 407.6 CLAY, brown, light gray mottled clay, some oxidation, plastic, soft, moist 13.0 406.6 Quartz filter SILTY SAND brown, light gray mottled silty sand, some oxidation, moist sand (NSF) MC <u>14.0</u> 405.6 83 CLAY, brown, light gray mottled clay, some oxidation, plastic, soft, moist 15 <u>15.0</u> 404.6 SILTY SAND, brown, fine, pliable, very moist light gray mottled silty sand, some oxidation, saturated at 17.0 ft brown, fine, wet, dark brown to black streaking, oxidation, wet MC 88 5 Schedule 40 Slotted PVC, 20 20.0 399.6 0.010-inch Bottom of hole at 20.0 feet. slots  $\bar{\mathbf{\Lambda}}$ 

**ENTACT & Associates, LLC WELL NUMBER MW-07** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL **PROJECT NUMBER** C1727 **COMPLETED** 06/19/06 GROUND ELEVATION 419.833 ft MSL HOLE SIZE 2" DATE STARTED 06/19/06 DRILLING CONTRACTOR GeoServe, Inc **GROUND WATER LEVELS:** DRILLING METHOD Direct Push ✓ AT TIME OF DRILLING 20.0 ft / Elev 399.8 ft LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core; well installed with hollow-stem auger on 6/2 200 DRILLING 21.8 ft / Elev 398.0 ft SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION WELL DIAGRAM TOPSOIL, black, sandy, trace roots, dry Concrete pad SILTY SAND, brown, plastic, dark brown mottled silty sand, dry MC 75 SAND, brown, fine, well sorted, moist Schedule 40 slightly moist **PVC** 5 MC 51 2 Rentonite <u>411.4</u> SILT, brown, fine, plastic, wet pellets 10 MC 10.0 409.8 81 CLAY, gray, medium stiff, oxidation mottled clay, dry <u>12.0</u> 407.8 SANDY SILT, light brown, dark brown/oxidized mottled, wet MC 405.8 14.0 88 CLAYEY SILT, light gray, brown/oxidized mottled clayey silt 15 <u> 15.5</u> oxidized 404.3 SILTY CLAY, gray, oxidized mottled silty clay, soft Quartz filter 15.8 sand (NSF) \ SANDY SILT, gray, moist 16.0 SILT, gray, brown/oxidized mottled silt, wet 1403.8 MC <u> 18.0</u> 401.8 81 SAND, brown, fine, well sorted, moist 5 GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08 20 ∑ saturated around 20.0 ft traces of black sand between 20.0 and 21.0 ft  $\mathbf{V}$ MC 100 Schedule 40 6 Slotted PVC, 0.010-inch slots 395.8 Bottom of hole at 24.0 feet.

**ENTACT & Associates, LLC WELL NUMBER P-01** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site **PROJECT NUMBER** C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 06/19/06 GROUND ELEVATION 421.02 ft MSL HOLE SIZE 2" **DATE STARTED** 06/19/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:**  $\sqrt{2}$  AT TIME OF DRILLING 16.2 ft / Elev 404.8 ft DRILLING METHOD Direct Push LOGGED BY M. Carlson CHECKED BY P. Thomson AT END OF DRILLING ---TAFTER DRILLING 21.4 ft / Elev 399.6 ft NOTES Sampler: 4' Macro Core: well installed on 6/20/2006 SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION WELL DIAGRAM SLAG, black, well-graded, slightly moist, medium dense, non-plastic Concrete pad MC 71 417.0 Schedule 40 CLAY, dark gray, medium stiff, plastic, orange oxidation patterns, moist **PVC** 5 MC Bentonite 100 pellets stiff, oxidation patterns, slightly moist light brown 411.3 10 MC SILTY CLAY, light brown, medium stiff, plastic, oxidation, moist 100 soft, high plasticity, saturated medium stiff, wet Quartz filter sand (NSF) very soft, oxidation patterns, high plasticity, saturated MC 100 15 trace sands, saturated seem at 16.0 ft bgs SILTY/SANDY CLAY light brown, soft, low plasticity, wet SANDY CLAY, light brown, soft, oxidation patterns, plastic, wet MC 100 Schedule 40 5 Slotted PVC. 0.010-inch slots 20 20.0 401.0 Bottom of hole at 20.0 feet.  $\mathbf{V}$ 

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08

**ENTACT & Associates, LLC WELL NUMBER P-02** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL **PROJECT NUMBER** C1727 **COMPLETED** 06/19/06 GROUND ELEVATION 423.183 ft MSL HOLE SIZE 2" **DATE STARTED** 06/19/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push  $\sqrt{2}$  AT TIME OF DRILLING 20.4 ft / Elev 402.8 ft LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---▼ AFTER DRILLING 24.8 ft / Elev 398.4 ft NOTES Sampler 4' Macro Core: well installed on 6/20/2006 SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION WELL DIAGRAM SAND, yellowish-orange, well graded, loose, dry Concrete pad SLAG, black, light gray silt horizons at 1.2, 1.7, and 3.2 to 4.0 ft MC 42 Schedule 40 mixture of silty clay, very soft, wet **PVC** 5 dark gray, medium stiff MC 417.2 75 CLAY, dark gray, medium stiff, plastic, moist ■Bentonite light gray, stiff, slightly moist pellets some oxidation МС 10 75 soft, moist 12.0 411.2 SILTY CLAY, light gray, soft, plastic, trace sand, saturated MC very soft, saturated, high plasticity 88 15 Quartz filter sand (NSF) soft, plastic MC 5 very soft, high plasticity, oxidation patterns GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08 20 403.2 SANDY SILT, yellowish-orange, poorly graded, dense sand, slightly moist loose sand, high plasticity, saturated MC 100 Schedule 40 6 Slotted PVC, 0.010-inch slots 399.2 Bottom of hole at 24.0 feet.  $ar{m{\Lambda}}$ 

**ENTACT & Associates, LLC WELL NUMBER P-03** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL **PROJECT NUMBER** C1727 **COMPLETED** 06/14/06 GROUND ELEVATION 421.352 ft MSL HOLE SIZE 2" DATE STARTED 06/14/06 DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push  $\sqrt{2}$  AT TIME OF DRILLING 20.0 ft / Elev 401.4 ft LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---AFTER DRILLING 23.0 ft / Elev 398.4 ft NOTES Sampler: 4' Macro Core; well installed on 6/20/2006 SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY REMARKS MATERIAL DESCRIPTION WELL DIAGRAM ROTOMILL, dry 420.9 Concrete pad SLAG, black, medium, some oxidation, dry MC 52 white pasty material, gray mottled pasty material, soft, moist SLAG, yellow-black, coarse, traces of pasty material, moist Schedule 40 416.9 **PVC** 5 CLAYEY SILT, dark gray, plastic, moist MC 100 medium gray, dark gray mottled clayey silt, medium stiff 414.4 some white crystals, oxidation CLAY, gray, brown mottled clay, stiff, moist 413.5 ■ Bentonite SANDY CLAY, gray, stiff, moist, bottom 1.0 inch pellets 1413.4 L <u>0.</u>8/ SILT, gray, white speckled crystals, moist 10 MC 10.0 411.4 SILTY CLAY, brown, gray mottled silty clay 11.0 410.4 SILT, gray, moist brown, some oxidation gray mottled silt, plastic, moist MC 100 15 16.0 Quartz filter SILTY CLAY, gray, brown mottled silty clay, plastic, soft, sand (NSF) MC 100 K = 1.03E-05 cm/sGENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 02/26/08 i = 21.820 <u>20.0 </u> 401.4 SILT, brown, gray mottled silt, some oxidation, saturated MC 100 Schedule 40 6 Slotted PVC,  $oldsymbol{\mathbb{Z}}$ 0.010-inch slots 24.0 397.4 Bottom of hole at 24.0 feet.

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

# BORING NUMBER OS-AT1-NA PAGE 1 OF 1

		one: 6 30.986	30.986 .0653	.2900						
CLIENT Blue							PROJECT NAME Old A	American Zinc P	Plant Site	
PROJECT NUI			27				PROJECT LOCATION_			
DATE STARTE	<b>D</b> _03	/27/07		COMPLI	ETED 03/27/	07	GROUND ELEVATION		HOLE SIZE 2	1
DRILLING CO	NTRA	CTOR	GeoS	erve, Inc.			GROUND WATER LEVI	ELS:		
DRILLING ME	THOD	Direc	t Push				AT TIME OF DRIL	LING		_
LOGGED BY_	LOGGED BY M. Gotto CHECKED BY P. Thomson						AT END OF DRIL	LING		
NOTES Sampler: 4' Macro Core							AFTER DRILLING	§		
O DEPTH (ft) SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG					MATERIAL DESCR	IPTION		
MC 1	71		1.0 2.0	GRASS/TOP FILL, gravel r SILT, sandy, SILTY CLAY,	mixed with sla dark gray, dry	ag-like mate y	rial, coarse, sand, fine crus	shed gravel		
			4.0				Bottom of hole at 4	1.0 feet.		

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

## BORING NUMBER OS-AT1-NB PAGE 1 OF 1

			one: 6 30.986	30.986. .0653	2900												
CLIEN	<b>T</b> Blue								PROJECT NAME_Old American Zinc Plant Site								
	CT NU			7						T LOCATIO							
DATE	STARTE	<b>D</b> _03	/27/07		СОМ	PLETED	03/27/	07	GROUNE	ELEVATION	ON		HOL	E SIZE	2"		
DRILLI	NG CO	NTRA	CTOR	GeoSe	rve, Inc.				GROUNE	WATER L	EVELS:						
DRILLI	NG MET	ГНОД	Direc	t Push					_ AT	TIME OF D	ORILLING	3					
LOGGI	ED BY_	M. Go	tto		CHE	CKED BY	<b>Y</b> P. Tho	omson	_ AT	END OF D	RILLING	i					
NOTES	NOTES Sampler: 4' Macro Core								_ AF	TER DRILL	ING						
		. 0															
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG						MAT	ERIAL DES	SCRIPTIC	ON					
			// //		GRASS/T												_ 7:
 	MC 1	60		IO.6 J \	SILT, dark	brown, s	sandy, n	e, minor an medium stif slightly moi	nounts of sla ff, trace roots	g-like mate s, mixed wit	erial th minor s	slag-like	material				_/
	•		1.						Bot	tom of hole	at 4.0 fee	et.					

## BORING NUMBER OS-AT1-NC PAGE 1 OF 1

CLIE	NT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site			
	JECT NUI				PROJECT LOCATION_Fairmont City, IL			
				COMPLETED 03/27/07	GROUND ELEVATION HOLE SIZE 2"			
DRIL	LING CO	NTRA	CTOR	GeoServe, Inc.	_ GROUND WATER LEVELS:			
DRIL	LING ME	THOD	Direct	t Push	AT TIME OF DRILLING			
LOG	GED BY_	M. Go	tto	CHECKED BY P. Thomson	AT END OF DRILLING			
NOTI	ES Samp	ler: 4'	Macro	Core	AFTER DRILLING			
O DEPTH	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION			
	MC 1	94		0.4 — GRASS/TOPSOIL black, silty/sandy  SLAG, black, fine mixed with brick d  CLAYEY SILT, dark gray, pliable, tra  black mottled silt, slightly sandy, dry	ace roots, ary			
ļ	/ 1		ĬĬĬ	SANDY SILT, dark brown, brown mo				
					Bottom of hole at 4.0 feet.			
GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08								

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

### **BORING NUMBER OS-AT1-SA**

	F	ax: 63	30.986	5.0653				
CLIEN	IT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site			
PROJ	ECT NUI	ИBER	C172	27	PROJECT LOCATION_Fairmont City, IL			
DATE	STARTE	<b>D</b> 03	/27/07	COMPLETED 03/27/07	GROUND ELEVATION HOLE SIZE 2"			
DRILL	ING COI	NTRA	CTOR	GeoServe, Inc.	GROUND WATER LEVELS:			
	ING ME				AT TIME OF DRILLING			
	ED BY			CHECKED BY P. Thomson	AT END OF DRILLING			
	S Samp				AFTER DRILLING			
110.2		101. 1	Widord					
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION			
				0.2 / GRAVEL coarse, dry				
				← − ¬ SLAG, DIACK, IIIIE, UIV	ry dark brown mottled clayey silt, slightly moist			
	MC 1	100		OLATET GILL, dank gray, plastic, ve	y dark blown motified diayey slit, slightly moist			
				4.0				
					Bottom of hole at 4.0 feet.			

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## BORING NUMBER OS-AT1-SB PAGE 1 OF 1

Fax: 630.986.0653	
CLIENT Blue Tee Corp.	PROJECT NAME Old American Zinc Plant Site
PROJECT NUMBER C1727	PROJECT LOCATION_Fairmont City, IL
DATE STARTED         03/27/07         COMPLETED         03/27/07	GROUND ELEVATION HOLE SIZE 2"
DRILLING CONTRACTOR GeoServe, Inc.	GROUND WATER LEVELS:
DRILLING METHOD Direct Push	AT TIME OF DRILLING
LOGGED BY M. Gotto CHECKED BY P. Thomson	AT END OF DRILLING
NOTES Sampler: 4' Macro Core	AFTER DRILLING
SAMPLE TYPE NUMBER RECOVERY % GRAPHIC LOG	MATERIAL DESCRIPTION
0.2 - GRASS/TOPSOIL black, mixed with	silty clag, moist, plastic
	Bottom of hole at 4.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

### **BORING NUMBER OS-AT1-SC**

Tax. 0	30.900	5.0653	
CLIENT Blue Tee C	Corp.		PROJECT NAME Old American Zinc Plant Site
PROJECT NUMBER	R_C172	27	PROJECT LOCATION Fairmont City, IL
DATE STARTED 03	3/27/07	COMPLETED 03/27/07	GROUND ELEVATION HOLE SIZE 2"
DRILLING CONTRA	CTOR	GeoServe, Inc.	GROUND WATER LEVELS:
DRILLING METHOD	<b>D</b> irec	et Push	AT TIME OF DRILLING
LOGGED BY M. Go			
NOTES Sampler: 4			AFTER DRILLING
			-
O DEPTH (ft) (SAMPLE TYPE NUMBER RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
11		0.2 - GRASS/TOPSOIL, gray, silty, moist	
- 1		GRAVEL, crushed, moist  SLAG, black, silty, moist	
MC 81		SILTY CLAY, very dark gray, reddish-	brown mottled silty clay, moist
		very dark gray, light brown mottled silt 4.0	
			Bottom of hole at 4.0 feet.

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

#### **BORING NUMBER OS-AT2-NA**

PAGE 1 OF 1

Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL COMPLETED 03/27/07 DATE STARTED 03/27/07 GROUND ELEVATION HOLE SIZE 2" DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION 0.3. \( \square\) GRAVEL mixed with small amounts of soil, trace roots

1.0 \( \square\) SLAG, black, fine, dry SLAG, black, fine, dry

CLAYEY SILT, dark brown, light brown mottled clayey silt, minor fine sand, slightly moist MC 69 brown, gray mottled clayey silt, fine sand, moist **CLAYEY SAND** brown moist Bottom of hole at 4.0 feet.

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GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

### **BORING NUMBER OS-AT2-NB**

				630.986.2900 6.0653	
CLIEN	IT Blue				PROJECT NAME_Old American Zinc Plant Site
	ECT NUI				PROJECT LOCATION_Fairmont City, IL
	STARTE				
DRILL	ING CO	NTRA	CTOR	GeoServe, Inc.	GROUND WATER LEVELS:
DRILL	ING ME	ГНОД	Direc	ct Push	AT TIME OF DRILLING
LOGG	ED BY_	M. Go	tto	CHECKED BY P. TI	nomson AT END OF DRILLING
NOTE	S Samp	ler: 4'	Macro	o Core	AFTER DRILLING
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
	$\Lambda$			0.3. / GRASS/TOPSOIL black,	silty, mixed with gravel
	V			SLAG, black, fine, dry CLAYEY SILT, dark gray,	- Clightly majet
	MC 1	63		brown, gray mottled, plas	
	Λ			13.0	to brown, minor fine sand, plastic, moist
- 4				4.0	
					Bottom of hole at 4.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

### **BORING NUMBER OS-AT2-NC**

		: 630.986 986.0653	5.2900			
CLIENT Blue T	ee Corp	).			PROJECT NAME Old American Zi	nc Plant Site
PROJECT NUM	BER_C	1727			PROJECT LOCATION Fairmont C	ity, IL
DATE STARTE	<b>D</b> 03/27	//07	COMPLETED 03	/27/07	GROUND ELEVATION	HOLE SIZE 2"
DRILLING CON	TRACT	OR GeoS	Serve, Inc.		GROUND WATER LEVELS:	
DRILLING MET	HOD_Di	irect Push	1		AT TIME OF DRILLING	
LOGGED BY N	1. Gotto		CHECKED BY P.	Thomson	AT END OF DRILLING	
NOTES Sample	er: 4' Ma	acro Core			AFTER DRILLING	
O DEPTH (ft) SAMPLE TYPE NUMBER	RECOVERY %				MATERIAL DESCRIPTION	
MC 1	83	0.1 0.6 J 1.0 J 4.0	GRASS/TOPSOIL, black GRAVEL, coarse, dry SLAG, black, fine, dry CLAYEY SILT, dark gra brown mottled clayey s SILTY CLAY, gray, bro	ay, plastic, dry	clay, plastic, moist	/-
					Bottom of hole at 4.0 feet.	

ENTACT & Associates, LLC **BORING NUMBER OS-AT2-SA** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL HOLE SIZE 2" **COMPLETED** 03/27/07 DATE STARTED 03/27/07 GROUND ELEVATION DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION 0.2 / GRASS/TOPSOIL
0.8 / SLAG, black, silty, moist CLAYEY SILT, dark gray, minor fine sand, slightly moist MC 98 SILTY CLAY, gray, brown and dark gray mottled silty clay, medium stiff, plastic, moist brown, stiff, dark gray mottled silty clay, moist Bottom of hole at 4.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

**ENTACT & Associates, LLC BORING NUMBER OS-AT2-SB** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL COMPLETED 03/27/07 DATE STARTED 03/27/07 GROUND ELEVATION **HOLE SIZE** 2" DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION 0.2 / TOPSOIL, silty, dark gray, dry SILTY CLAY, dark brown, light brown mottled silty clay, minor fine sand, moist MC 79 brown, minor fine sand, slightly moist CLAYEY SILT, brown, plastic, moist Bottom of hole at 4.0 feet.

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

**ENTACT & Associates, LLC BORING NUMBER OS-AT2-SC** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 03/27/07 DATE STARTED 03/27/07 GROUND ELEVATION HOLE SIZE 2" DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION GRASS/TOPSOIL, black, sandy, silty, trace gravel, dry GRAVEL, white, coarse SILTY CLAY, very dark gray, stiff, light brown mottled silty clay, dry MC 79 brown, dark brown to black mottled silty clay, stiff to very stiff, dry to slightly moist brown, dry SANDY SILT, brown, dry Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

## BORING NUMBER OS-AT3-NA PAGE 1 OF 1

Fax: 630.986.0			
CLIENT Blue Tee Corp.		PROJECT NAME Old American Zinc	Plant Site
PROJECT NUMBER C1727	•	PROJECT LOCATION Fairmont City,	IL
DATE STARTED 03/27/07	COMPLETED 03/27/07	GROUND ELEVATION	HOLE SIZE 2"
DRILLING CONTRACTOR (	GeoServe, Inc.	GROUND WATER LEVELS:	
DRILLING METHOD Direct	Push	AT TIME OF DRILLING	
LOGGED BY M. Gotto	CHECKED BY P. Thomson	AT END OF DRILLING	
NOTES Sampler: 4' Macro 0	Core	AFTER DRILLING	
SAMPLE TYPE NUMBER RECOVERY % GRAPHIC LOG		MATERIAL DESCRIPTION	
MC 1 69 3	SLAG, black, fine, dry  CLAYEY SILT, dark gray, black mottled dark brown, dark gray mottled clayey:		<i>\</i>
		Bottom of hole at 4.0 feet.	

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## BORING NUMBER OS-AT3-NB PAGE 1 OF 1

CLIENT Blue Tee Corp.  PROJECT NAME Old American Zinc Plant Site  PROJECT NUMBER C1727  PROJECT LOCATION Fairmont City, IL  DATE STARTED 03/27/07 COMPLETED 03/27/07 GROUND ELEVATION HOLE SIZE 2"  DRILLING CONTRACTOR GeoServe, Inc.  DRILLING METHOD Direct Push  LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING  NOTES Sampler: 4' Macro Core  AFTER DRILLING  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MC 566  DRIANT SIZE 2"  MATERIAL DESCRIPTION	
DATE STARTED 03/27/07 COMPLETED 03/27/07 GROUND ELEVATION HOLE SIZE 2"  DRILLING CONTRACTOR GeoServe, Inc.  DRILLING METHOD Direct Push AT TIME OF DRILLING  LOGGED BY M. Gotto CHECKED BY P. Thomson NOTES Sampler: 4' Macro Core  AFTER DRILLING  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  OUT OF CLAYEY SILT, dark gray, minor fine sand, dry	
DRILLING CONTRACTOR GeoServe, Inc.  DRILLING METHOD Direct Push  LOGGED BY M. Gotto  CHECKED BY P. Thomson  NOTES Sampler: 4' Macro Core  AFTER DRILLING  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MC  CLAYEY SILT dark gray, minor fine sand, dry	
DRILLING METHOD Direct Push  LOGGED BY M. Gotto CHECKED BY P. Thomson AT END OF DRILLING  NOTES Sampler: 4' Macro Core AFTER DRILLING  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  O SLAG, black, mixed with coarse pieces, dry  CLAYEY SILT dark gray, minor fine sand, dry	
NOTES Sampler: 4' Macro Core  AFTER DRILLING  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  SLAG, black, mixed with brick debris, dry  CLAYEY SILT, dark gray, minor fine sand, dry	
NOTES Sampler: 4' Macro Core  AFTER DRILLING  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  CLAYEY SILT, dark gray, minor fine sand, dry	
MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  MATERIAL DESCRIPTION  CLAYEY SILT, dark gray, minor fine sand, dry	
GRAVEL, crushed, mixed with coarse pieces, dry  SLAG, black, mixed with brick debris, dry  CLAYEY SILT, dark gray, minor fine sand, dry	
SLAG, black, mixed with brick debris, dry  CLAYEY SILT, dark gray, minor fine sand, dry	
CLAYEY SILT. dark gray, minor fine sand, dry	/
brown, dark gray mottled clayey silt, minor fine sand, slightly moist	
fine sand, brown dark gray mottled clayey sand, moist	
Bottom of hole at 4.0 feet.	

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# BORING NUMBER OS-AT3-NC PAGE 1 OF 1

Fa	ax: 63	30.986	330.986.2900 3.0653	
				PROJECT NAME Old American Zinc Plant Site
		-	27	PROJECT LOCATION Fairmont City, IL
				AT TIME OF DRILLING
				AFTER DRILLING
	ют. т	Maore		
SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
MC 1	79		CLAYEY SILT, dark gray, stiff, dry brown, dark gray mottled clayey sil brown, friable, dry	
				Bottom of hole at 4.0 feet.
	SAMPLE TYPE SAMPLE	Fax: 63 T Blue Tee C CCT NUMBER STARTED 03 ING CONTRA ING METHOD ED BY M. Go S Sampler: 4'  % \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Fax: 630.986  T Blue Tee Corp.  ECT NUMBER C177  STARTED 03/27/07  ING CONTRACTOR  ING METHOD Direct  ED BY M. Gotto  S Sampler: 4' Macro  CBAPHIC OO  S Sampler: 4' Macro	Fax: 630.986.0653  T_Blue Tee Corp.  ECT NUMBER C1727  STARTED 03/27/07 COMPLETED 03/27/07  ING CONTRACTOR GeoServe, Inc.  ING METHOD Direct Push  ED BY M. Gotto CHECKED BY P. Thomson  Sampler: 4' Macro Core  ONE OF The Corp.  GRAVEL, mixed with slag-like mate CLAYEY SILT, dark gray, stiff, dry brown, dark gray mottled clayey sil

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### **BORING NUMBER OS-AT3-SA**

			30.986	.0653	2900					
CLIEN	T Blue	Tee C	orp.				PROJECT NAME Old American Z	inc Plant Site		
PROJ	ECT NUM	ИBER	C172	27			PROJECT LOCATION_Fairmont City, IL			
DATE	STARTE	<b>D</b> 03	/27/07		COMPLETE	03/27/07	GROUND ELEVATION	HOLE SIZE 2"		
DRILL	ING CO	NTRA	CTOR	GeoSe	erve, Inc.		GROUND WATER LEVELS:			
DRILL	ING MET	ГНОД	Direc	t Push			AT TIME OF DRILLING			
LOGG	ED BY_	M. Go	tto		CHECKED B	Y P. Thomson				
NOTE	S Samp	ler: 4'	Macro	Core			AFTER DRILLING			
	Щ	%								
O DEPTH	SAMPLE TYPE NUMBER	RECOVERY	GRAPHIC LOG				MATERIAL DESCRIPTION			
Ĭ						mixed with gravel				
	M I			1.0	SLAG, black, fine,	, dry				
	MC 1	63				rk gray, plastic, slight mottled clayey silt, n				
	Λ ' Ι				dark gray, brown i	mottled clayey siit, ii	10151			
				4.0	brown, dark browi	n mottled clayey silt,	plastic, slightly moist	_		
							Bottom of hole at 4.0 feet.			

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## BORING NUMBER OS-AT3-SB PAGE 1 OF 1

	eieprid ax: 63		.0653				
CLIENT Blue	Tee C	orp.				PROJECT NAME Old American Z	Zinc Plant Site
PROJECT NU	MBER	C172				PROJECT LOCATION Fairmont (	City, IL
DATE START	<b>ED</b> 03	/27/07	COM	PLETED 03/27/07		GROUND ELEVATION	HOLE SIZE 2"
DRILLING CO	NTRA	CTOR	GeoServe, Inc.			GROUND WATER LEVELS:	
DRILLING ME	THOD	Direc	t Push			AT TIME OF DRILLING	
LOGGED BY_	M. Go	tto	CHEC	CKED BY P. Thomse	on	AT END OF DRILLING	
NOTES Samp	ler: 4'	Macro	Core			AFTER DRILLING	
O DEPTH (ft) SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG				MATERIAL DESCRIPTION	
MC 1	71		CLAYEY	coarse, dry  ck, fine, mixed with s  SILT, dark gray, trace	e roots, p	-like material	
						Bottom of hole at 4.0 feet.	

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### **BORING NUMBER OS-AT3-SC**

Fax: (	630.986	6.0653		
CLIENT Blue Tee	Corp.		PROJECT NAME Old American Zin	c Plant Site
PROJECT NUMBE	R C172	27	PROJECT LOCATION Fairmont City	/, IL
DATE STARTED 0			GROUND ELEVATION	HOLE SIZE 2"
		R GeoServe, Inc.	GROUND WATER LEVELS:	
DRILLING METHO			AT TIME OF DRILLING	
LOGGED BY M. G		CHECKED BY P. Thomson	AT END OF DRILLING	
NOTES Sampler:			AFTER DRILLING	
Jampier.	+ Macic	T T T T T T T T T T T T T T T T T T T	AFTER DRILLING	
O DEPTH (ft) SAMPLE TYPE NUMBER RECOVERY %			MATERIAL DESCRIPTION	
11	×××			
- Mac		SLAG, black, fine, mixed with coars	se pieces, ary	
MC 88		22.0	dation, plastic, slightly moist	
/\		oxidation veining		
		4.0 gray, brown mottled clayey silt, oxid		
			Bottom of hole at 4.0 feet.	

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### **BORING NUMBER OS-AT4-A**

				6.0653	
CLIEN	T Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site
PROJ	ECT NU	ИBER	C172		PROJECT LOCATION Fairmont City, IL
DATE	STARTE	<b>D</b> 03	/27/07	7 <b>COMPLETED</b> 03/27/07	GROUND ELEVATION HOLE SIZE _2"
DRILL	ING CO	NTRA	CTOR	R GeoServe, Inc.	GROUND WATER LEVELS:
DRILL	ING MET	ГНОД	Direc	ct Push	AT TIME OF DRILLING
LOGG	ED BY_	M. Go	tto	CHECKED BY P. Thon	
NOTE	S Samp	ler: 4'	Macro	o Core	AFTER DRILLING
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
				0.3 / GRASS/TOPSOIL mixed with	
				Y JEAG, DIACK, IIIIG, ITIIAGU WILI	a dark gray clayey silt
	MC 1	73			vey silt, minor fine sand, plastic, slightly moist
	Λ			brown, fine sand, plastic, mo	
- 4				4.0	Bottom of hole at 4.0 feet.
					Bottom of note at 4.0 feet.

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### **BORING NUMBER OS-AT4-B**

	F	ax: 63	30.986	.0653			
CLIEN	NT Blue	Tee C	orp.			PROJECT NAME Old American Zin	nc Plant Site
PROJ	ECT NUI	ИBER	C172	27		PROJECT LOCATION Fairmont Ci	ity, IL
DATE	STARTE	<b>D</b> 03	/27/07	СОМРІ	LETED 03/27/07	GROUND ELEVATION	HOLE SIZE 2"
DRILL	ING COI	NTRA	CTOR			GROUND WATER LEVELS:	
	ING ME					AT TIME OF DRILLING	
					KED BY P. Thomson		
	S Samp					AFTER DRILLING	
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION	
	1		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		nixed with coarse grav		
_	МС				k, fine, oxidized, mixed		
	1	85		0=::=: 0:	, aam gray, praetie,	g,	
	/\			hrown dark	aray mottled clavey si	lt, plastic, stiff, minor fine sand	
				4.0	gray mottled slayey s	Bottom of hole at 4.0 feet.	
						Bottom of hole at 4.0 feet.	

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## BORING NUMBER OS-AT4-C PAGE 1 OF 1

				5.0653	
CLIEN	IT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site
PROJ	ECT NUI	<b>IBER</b>	<u>C172</u>	27	PROJECT LOCATION Fairmont City, IL
DATE	STARTE	<b>D</b> 03	/27/07	7 COMPLETED 03/27/07	GROUND ELEVATION HOLE SIZE 2"
DRILL	ING CO	NTRA	CTOR	R GeoServe, Inc.	GROUND WATER LEVELS:
DRILL	ING ME	ΓHOD	Direc	ct Push	AT TIME OF DRILLING
LOGG	ED BY_	M. Go	tto	CHECKED BY P. Thomson	AT END OF DRILLING
NOTE	<b>S</b> Samp	ler: 4'	Macro	o Core	AFTER DRILLING
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
	\ <b>1</b>		71 1	0.2 / TOPSOIL	/
	\ <sub></sub>			0.8 / mixed with slag-like material CLAYEY SILT, dark gray, friable, h	aard oxidized dry
	MC 1	100		gray, dark gray mottled clayey silt,	
	Λ			brown, dark gray mottled clayey si	lt, small amounts of oxidation, plastic, slightly moist
				4.0 brown, light gray mottled clayey sil	
					Bottom of hole at 4.0 feet.

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# BORING NUMBER OS-AT5-A PAGE 1 OF 1

				5.0653				
CLIEN	IT Blue	Tee C	orp.		PROJECT NAME_Old American Zinc Plant Site			
	ECT NU		-		PROJECT LOCATION Fairmont City, IL			
DATE	STARTE	<b>D</b> 03	/27/07	COMPLETED 03/27/07	GROUND ELEVATION HOLE SIZE 2"			
DRILL	ING CO	NTRA	CTOR	GeoServe, Inc.	GROUND WATER LEVELS:			
DRILL	ING ME	THOD	Direc	et Push	AT TIME OF DRILLING			
LOGG	ED BY_	J. Stof	ferahr	CHECKED BY P. Thomson	AT END OF DRILLING			
NOTE	S Samp	ler: 4'	Macro	o Core	AFTER DRILLING			
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION			
 	MC 1	71		0.3. / GRASS   SLAG   O.Z   SILT, very dark gray, reddish-bromoist   2.8	own mottled silty clay, gray to very dark gray with some brown mottling, slightly			
					Bottom of hole at 4.0 feet.			

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### **BORING NUMBER OS-AT5-B**

	ax. oc	0.900	.0653	
CLIENT Blue	Tee C	orp.		PROJECT NAME Old American Zinc Plant Site
PROJECT NU	MBER	C172	27	PROJECT LOCATION Fairmont City, IL
DATE START	ED_03	/28/07	COMPLETED 03/28/07	GROUND ELEVATION HOLE SIZE 2"
DRILLING CO	NTRA	CTOR	GeoServe, Inc.	GROUND WATER LEVELS:
DRILLING ME				AT TIME OF DRILLING
LOGGED BY_			CHECKED BY P. Thomson	AT END OF DRILLING
NOTES Samp				AFTER DRILLING
O DEPTH (ft) SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG		MATERIAL DESCRIPTION
11			0.3 / TOPSOIL mixed with coarse gravel	
· 1			SLAG. mixed with reddish-brown (oxid	
MC 1	83	*******		c, minor amounts of reddish-brown (oxidation), moist
				Bottom of hole at 4.0 feet.

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### **BORING NUMBER OS-AT6-A**

	F	ax: 63	30.986	.0653				
CLIEN	IT Blue	Tee C	orp.			PROJECT NAME Old American Zind	c Plant Site	
	ECT NUI			27		PROJECT LOCATION Fairmont City	ı, IL	
	STARTE				COMPLETED 03/27/07	GROUND ELEVATION	HOLE SIZE 2"	
					erve, Inc.	GROUND WATER LEVELS:		
					ive, iiic.			
	ING ME					_ AT TIME OF DRILLING		
	ED BY_				CHECKED BY P. Thomson	AT END OF DRILLING AFTER DRILLING		
NOTE	S Samp	ler: 4'	Macro	Core		AFTER DRILLING	_	
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION		
 	MC 1	81		0.8 7	SLAG mixed with black loam topsoil mixed with very dark gray silty clay CLAYEY SILT, dark brown, friable moist??? brown mottld clayey silt, ?????		/	
						Bottom of hole at 4.0 feet.		
						Bottom of Holo at the foot.		

**ENTACT & Associates, LLC BORING NUMBER OS-AT6-B** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 03/27/07 **DATE STARTED** 03/27/07 GROUND ELEVATION **HOLE SIZE** 2" DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY J. Stofferahn CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, dark brown, loamy topsoil with gravel SILTY CLAY, very dark gray, dry????? as above with gravel and slag pieces MC 58 CLAYEY SILT, brown, slightly moist, grading to light brown clayey silt, slightly moist, grading to light brown clayey Bottom of hole at 4.0 feet.

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**ENTACT & Associates, LLC BORING NUMBER OS-AT6-C** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT NUMBER C1727 PROJECT LOCATION Fairmont City, IL **COMPLETED** 03/27/07 DATE STARTED 03/27/07 GROUND ELEVATION **HOLE SIZE** 2" DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING \_---LOGGED BY J. Stofferahn CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION TOPSOIL, browm, loamy topsoil SILTY CLAY, friable, dry MC 85 dark brown and brown mottled silty clay, slightly moist Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

### **BORING NUMBER OS-AT7-A**

	Fax: 630.986.0653												
	LIEN	IT Blue	Tee C	orp.					PROJECT NAME Old American Zinc Plant Site				
F	ROJ	ECT NUI	MBER	_C172	27				PROJECT LOCATION Fairmont City, IL				
[	ATE	STARTE	E <b>D</b> _03	/27/07	•	COMPL	ETED 03/2	27/07	GROUND ELEVATI				
					GeoServ	e, Inc.			GROUND WATER L	EVELS:			
		ING ME							_ AT TIME OF D				
	LOGGED BY J. Stofferahn CHECKED BY P. Thomson							Thomson					
		S Samp				-			AFTER DRILL				
F													
i	O (ft)	SAMPLE TYPE NUMBER	₹	GRAPHIC LOG					MATERIAL DES	SCRIPTION			
		M			0.3. ∕⊤ GI		 e of gravel a					/	
Ī		мс				ry dark gra						/	
r	1	1	79		SI	LTY CLAY	, very dark	gray, dry					
H	-				3.2 VE	ry dark bro	own silty cla	ay, brown mot	tled grading to brown cl	ayey silt, very sliç	ghtly moist		
F	+								Bottom of hole	at 4 0 feet			
									Dottom of noic	at 4.0 lect.			
3													
5													
3													
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انـ   ر													
GENERAL DRIVITY WELL CAZ LOGO.GFJ GINI 03.GDI 04/01/08													
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**ENTACT & Associates, LLC BORING NUMBER OS-AT7-B** 1010 Executive Court, Suite 280 PAGE 1 OF 1 Westmont, Illinois 60559 Telephone: 630.986.2900 Fax: 630.986.0653 **CLIENT** Blue Tee Corp. PROJECT NAME Old American Zinc Plant Site PROJECT LOCATION Fairmont City, IL PROJECT NUMBER C1727 COMPLETED 03/27/07 HOLE SIZE 2" **DATE STARTED** 03/27/07 GROUND ELEVATION DRILLING CONTRACTOR GeoServe, Inc. **GROUND WATER LEVELS:** DRILLING METHOD Direct Push AT TIME OF DRILLING ---LOGGED BY J. Stofferahn CHECKED BY P. Thomson AT END OF DRILLING ---NOTES Sampler: 4' Macro Core AFTER DRILLING \_---SAMPLE TYPE NUMBER GRAPHIC LOG RECOVERY MATERIAL DESCRIPTION **GRAVEL** ☐ SLAG, black SILTY CLAY, very dark gray with some brown mottling, slightly moist MC 79 very dark brown, slightly moist very dark brown and brown mottled silty clay, slightly moist Bottom of hole at 4.0 feet. GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

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#### **BORING NUMBER OS-AT7-C**

PAGE 1 OF 1

	F	ax: 60	30.986	.0653									
CLIE	NT Blue	Tee C	orp.					_ PROJECT	NAME Old A	merican Zinc	Plant Site		
PRO	JECT NU	MBER	C172	27				PROJECT	LOCATION_F	airmont City,	IL		
DATE	START	<b>ED</b> _03	3/27/07	•	COMPL	ETED 03/2	27/07	GROUND	ELEVATION_		HOLE SIZE	2"	
				GeoServ					WATER LEVE	LS:			
	LING ME				•			_ AT <sup>-</sup>	TIME OF DRIL	LING			
	GED BY_				CHECK	ED BY P.	Thomson		END OF DRILL				
	ES Samp				-				ER DRILLING				
		1						_					
O DEPTH	SAMPLE TYPE NUMBER	₹	GRAPHIC LOG					MATE	RIAL DESCRI	PTION			
	MC 1	83		0.6	AG LTY CLAY	very dark very dark very dark	gray, dry						_ <i>J i</i> _ <i>J</i> _ <i>J</i>
-				0.0				Botto	om of hole at 4	0 feet.			
9													
0/4													
3													
<u>s</u>													
5													
5													
3													
5													
GENERAL BT/ 1F/ WELL OAZ LOGO,GFG GINI DO.GDI U4/01/00													
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¥													

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559
Telephone: 630 986 2900

GENERAL BH / TP / WELL OAZ LOGS.GPJ GINT US.GDT 04/01/08

### BORING NUMBER OS-AT8-C PAGE 1 OF 1

	epnon x: 630		30.986.2 .0653	2900												
CLIENT Blue Te	ee Cor	rp.						PROJEC	CT NAM	IE Old A	America	ın Zinc F	lant Site	1		
PROJECT NUMI	BER_G	C172	7					PROJEC	CT LOC	ATION_	Fairmo	nt City, I	L			
DATE STARTED	03/2	26/07		COMPL	.ETED 0	3/26/07		GROUN	D ELEV	/ATION			HOLE	SIZE _2	2"	
DRILLING CONT	TRAC	TOR_	GeoSe	rve, Inc.				GROUN	D WAT	ER LEV	ELS:					
DRILLING METH	_doh	Direct	t Push					Α٦	TIME	OF DRII	LLING_					
LOGGED BY M	1. Gotto	0		_ CHECK	ED BY_F	P. Thomso	on	Α٦	END C	OF DRIL	LING					
NOTES Sample	er: 4' N	1acro	Core					AF	TER D	RILLING	3					
O DEPTH (ft) SAMPLE TYPE NUMBER	RECOVERY %	GKAPHIC LOG							ΓERIAL	DESCR	RIPTION	1				
MC 1	83		1.0 ~ .	GRAVEL, cr SLAG, black SILTY CLA' dark brown gray, soft, tr	fine, dry f, very dai mottled sil	k gray, m	edium s	stiff to stiff	, pliable	e, dry	ightly m	 				/
	ĺ							Во	ttom of	hole at 4	4.0 feet.					

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### BORING NUMBER OS-AT8-E PAGE 1 OF 1

				30.986.2900 5.0653			
CLIEN	IT Blue					PROJECT NAME Old American Zinc I	Plant Site
	ECT NU			27		PROJECT LOCATION_Fairmont City,	
DATE	STARTE	<b>D</b> 03	/26/07	COMPLETE	03/26/07	GROUND ELEVATION	HOLE SIZE 2"
DRILL	ING CO	NTRA	CTOR	GeoServe, Inc.		GROUND WATER LEVELS:	
DRILL	ING ME	THOD	Direc	t Push		AT TIME OF DRILLING	
LOGG	ED BY_	M. Go	tto	CHECKED B	Y P. Thomson	AT END OF DRILLING	
NOTE	<b>S</b> Samp	ler: 4'	Macro	Core		AFTER DRILLING	
		_					
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION	
	\ <b>1</b>			0.3. \( \tag{GRAVEL}, \text{dry} \)			/
- 1	MC				to coarse grain, dry dark gray, medium		
	MC 1	100		SILIT CLAT, Very	/ dark gray, medium	still, pliable, dry	
	Λ						
				4.0 gray, medium stiff	, pliable	Bottom of hole at 4.0 feet.	
						Bottom of note at 4.0 feet.	

ENTACT & Associates, LLC 1010 Executive Court, Suite 280 Westmont, Illinois 60559 Telephone: 630.986.2900

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#### **BORING NUMBER OS-AT8-W**

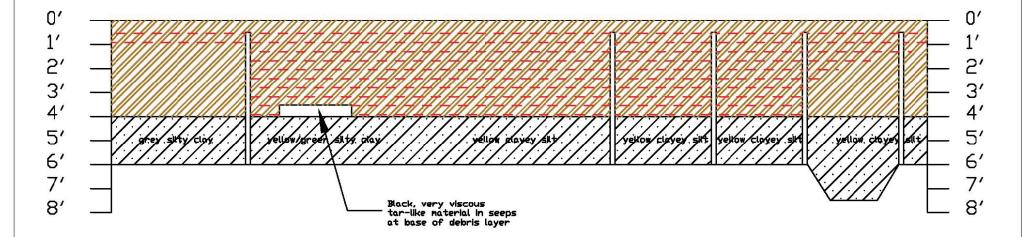
PAGE 1 OF 1

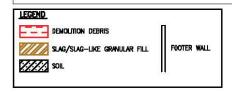
	F	ax: 63	30.986	5.0653			
CLIEN	IT Blue	Tee C	orp.			PROJECT NAME Old American	Zinc Plant Site
PROJ	ECT NUI	MBER	C172	27		PROJECT LOCATION Fairmon	t City, IL
DATE	STARTE	<b>D</b> 03	/26/07	COMPLETED	03/26/07	GROUND ELEVATION	HOLE SIZE 2"
DRILL	ING CO	NTRA	CTOR	GeoServe, Inc.		GROUND WATER LEVELS:	
	ING ME					AT TIME OF DRILLING	
	ED BY_				P. Thomson		
	S Samp					AFTER DRILLING	
	<u> </u>					7.1. 1.2.1. 2.1.1.2	
O DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG			MATERIAL DESCRIPTION	
	1		$\sim$ $\sim$ $\sim$ $\sim$	0.6 GRAVEL, crushed, o	dry		
	Ma			SLAG, slag-like mat	rav medium stiff	_medium_grain, dry reddish-brown (oxidized) veining, t	
	MC 1	100		OILTT OLAT, dank g	gray, mealarri sun,	readion brown (oxidized) veiring, t	1000 10010
	И					(oxidized) veining, dry	
				dark gray, medium s	stiff, plastic, trace a	amounts of reddish-brown silty clay	r, dry
						Bottom of hole at 4.0 feet.	

## APPENDIX C-2 TRENCHING DIAGRAMS

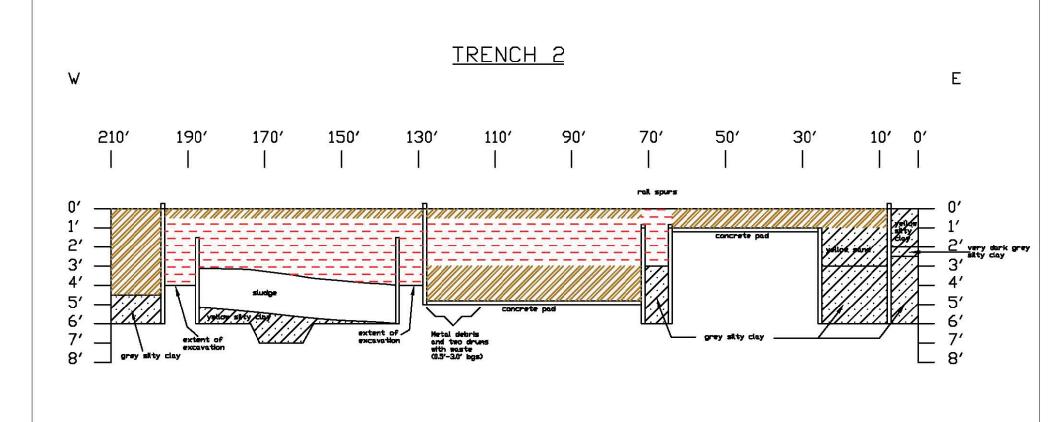
N S

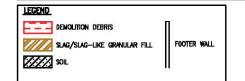






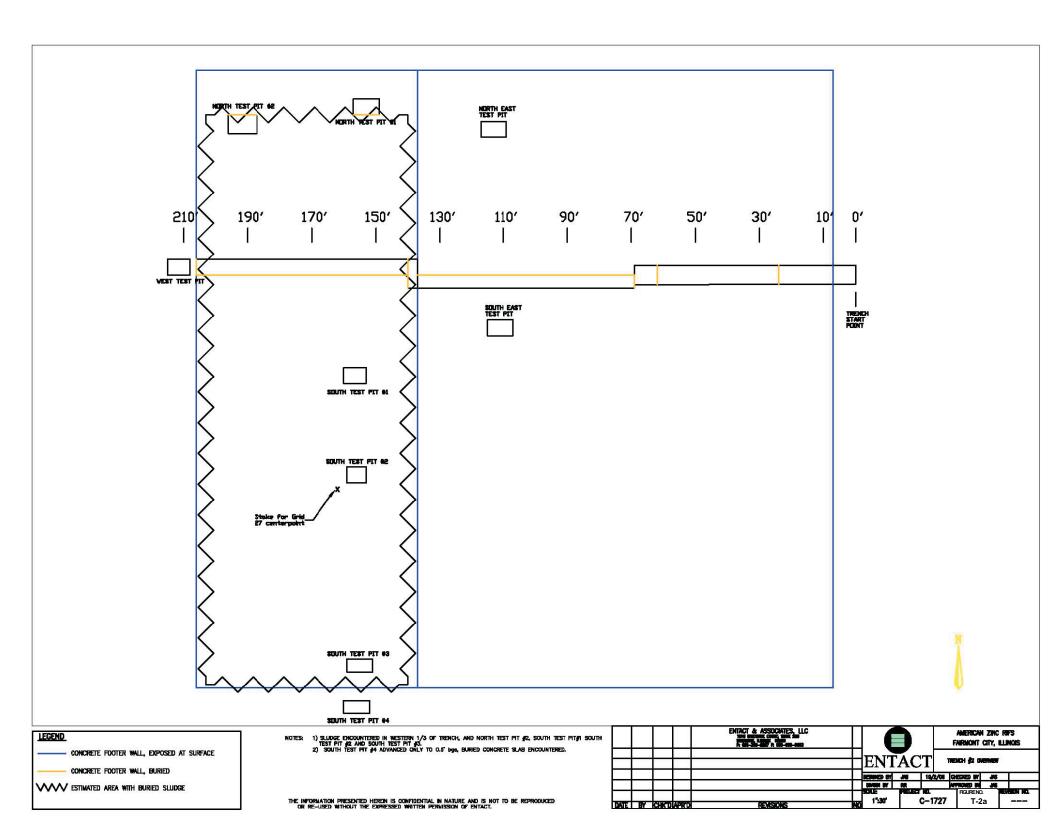
				ENTACT & ASSOCIATES, LLC					AMERICAN FAIRMONT		
					EN	ΓA	C	T	TRENC	H #1	
					BETWEED BY	-	•	19/2/08	CHECKED BY	.86	
						2			MITTACKED BY	- 146	
NATE	-	ALL TO	APRO	REVISIONS	186 1 20 VS 1 3	1	OLECT (	ил. С—1727	FIGURENO.		



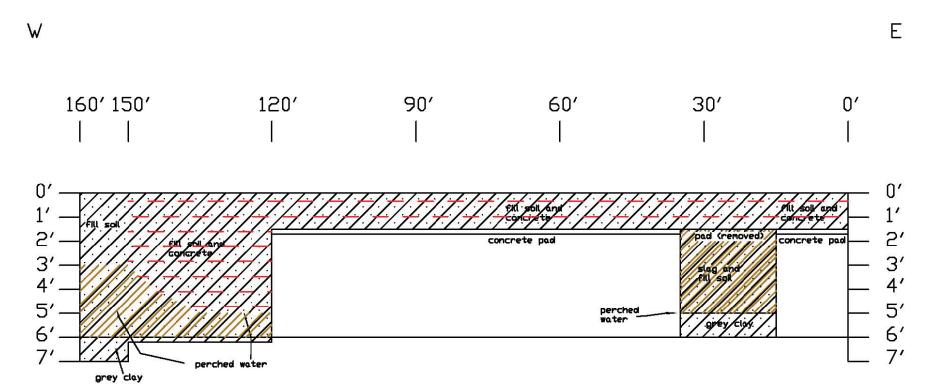


ENTROT & ASSOCIATES, LLC

WITH SECURITY CONT. THE CONTROL OF THE C

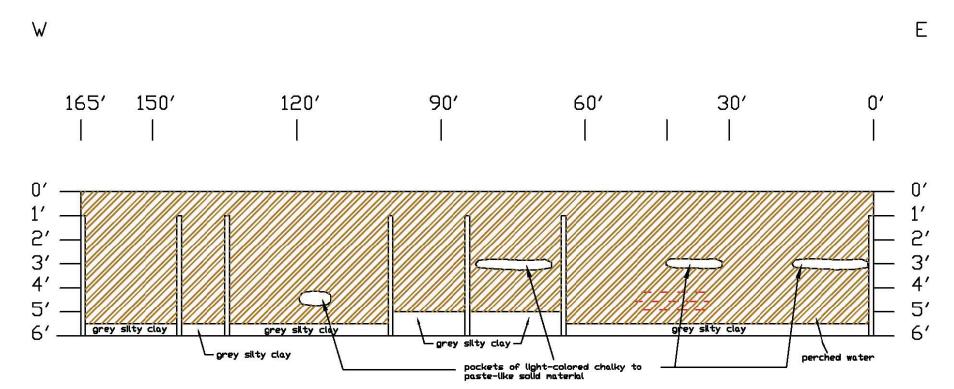


### TRENCH 3 N 0' 30' 60' 90' 120' 150' 170' 0' 0' 2' 2' 3′ 4' 5′ grey sity clay brown silty clay 6' yellow to brown silty clay grey silty clay Trench 3 overview exposed portion of pit PIT PIT concrete walls 7 = AMERICAN ZINC REFS LEGEND FAIRMONT CITY, ILLINOIS DEMOLITION DEBRIS TRENCH #3 SLAG/SLAG-LIKE GRANULAR FILL FOOTER WALL THE INFORMATION PRESENTED HEREIN IS CONFIDENTIAL IN NATURE AND IS NOT TO BE REPRODUCED OR RE-USED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF ENTAGT. C-1727 T-3



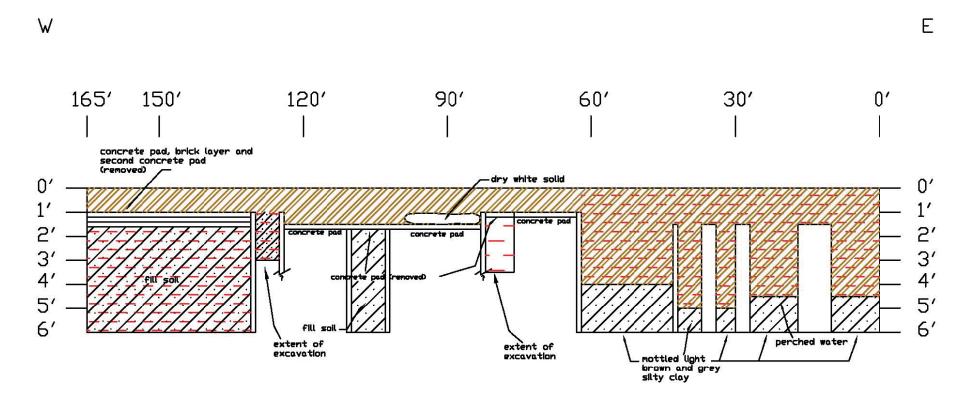


				ENTACT & ASSOCIATES, LLC						AMERICA FARMONT		
						ENT	AC	T		TREM	сн 🖊	ļa .
						BERWED BY	<b>JM</b>	16/	2/01	CHECKED BY	315	
						DONABLE DA.	RR.	Г		ATTRONED BY		
DATE	BY	СНО	APRO	REVISIONS N	O	が変	PROJECT	MI. C-1	727	FIGUREN T-		



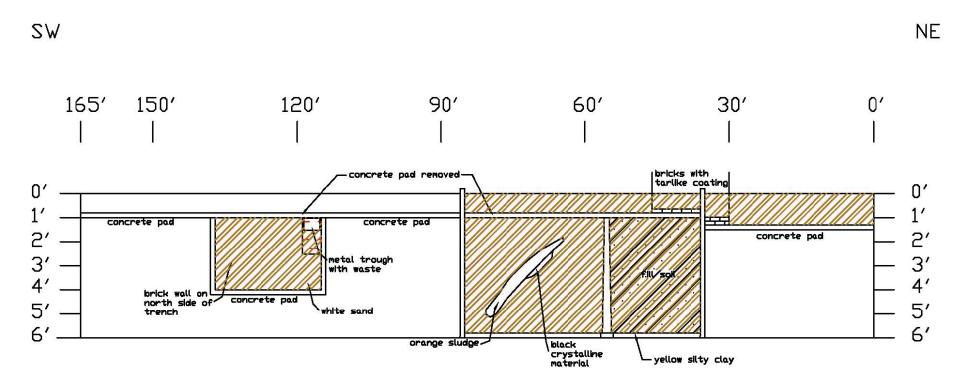


				ENTACT & ASSOCIATES, LLC				AMERICAN FARMONT (		
					ENT	AC	T	TRENC	H <b>#</b> 5	
					DESIGNED OF	JAG	19/2/0	CHECKED BY	46	
					DOMESTIC BY	RR		APPROVED BY	-	
DATE	ПV	СНКТО	APPT	REVISIONS	100 1 20 Vs. 1 4	PROJEC	C-172	7 FIGURENO. T-5	;	





				ENTACT & ASSOCIATES, LLC			É			AMERICA: FAIRMONT		
					t	EN	T	AC	T	TREM	# <b>#</b>	ı
						EPHED	81	JAS	15/2/00	CHECKED BY	46	
						DOMESTIC D	7	RR		MITTACKED IN	- 34	
DATE	BV	СНСО	APIZO	REVISIONS	-N		20' 4	PARLEC	ии. С—172	FIGURENCE T-0		





				ENTACT & ASSOCIATES, LLC					AMERICAN FARMONT (		
						ENT	'AC	T	TRENC	H <b>#</b> 7	
						DESIGNED OF	JAG	15/2/01	CHECKED BY	J#6	
						DOMESTIC DV	RR.		ATTRONED BY	-146	
DATE	RV.	СНКТ	APRO	REVISIONS	NO	188 1 20 VS. 1 4	PROJECT	ил. С—1727	FIGURENO.		

## APPENDIX C-3 SEDIMENT AND SURFACE WATER SAMPLING LOGS

# ENTACT Into the Mation in Customer Care

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1/	<sup>/</sup> A		=							
////	ű —							_ `		
<u>''                                   </u>	1							/		
ime	Sample Interval (ft)		Description							
ediment ime				4-0.5						

### Sediment/ Surface Water Sampling Form

	onditions:	ovoy #	HOT						······································	
urface Wa	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0818			7.31	456 NS/6	25.24	C Blaw	N			
Sediment										
Time	Sample Interval (ft)		Description	n						
0811	0.5		51)-0	8-0.5					ine Villación e	
•										

PHO 705 50-08 (3-6)

### Sediment/Surface Water Sampling Form

Sample No.:	Site: <u>SNSW - 06</u>	5/31/06 Project No.: <b>Date:</b>
-------------	------------------------	--------------------------------------

Sampling Method:	SURFACE	usper	\$ SEDIMENT	COLLECTZIN
	04			

Weather Conditions:	- LANNY	CONS	V
	7		_

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0910			7.6	322	26.339	BROW	N N		3.6	
Sediment Time								****		
I ime	Sample Interval (ft)		Description	1				Q.A.		
0910	0,51		51-0	6-0,5					<b>新型设施性</b> 。2	

Comments:	

PHOTO: SW/SD-08 = 7-10



### Sediment/ Surface Water Sampling Form

	TACT  stion in Gustomer Car		mple No.:	Site: _S^	/sw-	-05		oject No.: _	5/3//00 Date:	0
ampling N	Method: <i>SU</i>	RFACE /S	SEBIME HOT	n e	Ollocy	zur	)			7
urface Wa	ıter									
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0955			7.6	361	27.79	TAN	N		5.05	
		SW-0	05							
Sediment					•					•
Time	Sample Interval (ft)		Description	1						
0959	0.5'	5	1-05	0,5						
						1.		Jes the Artis	PERSONAL PROPERTY.	

Comments:	 	 		
		-		
		 	······································	

PHOTOS = (11-14)

# ENTACT STATES

### Sediment/Surface Water Sampling Form

EN'	TACT  Ition in Gustomer Car	wa' Sa	mple No.:	Site:	SW-0	1 /	Pr	roject No.: _	/31/06 Date:	
Sampling N	Method:S v/	MACE U	Ann J	Swame	ny c	COLLEC	BUN	)		
Weather Co Surface Wa	onditions: <u>C</u>	Coult 8	Har			V				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноз/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1030			6.5	43%	27.3	CLACK	N		\a)	
Sediment					L	<u> </u>				
Time	Sample Interval (ft)		Description							
1830	0.5'		51-01	-0,5					7,411-11	

Comments:_		· · · · · · · · · · · · · · · · · · ·			
	 		······································		
				· · · · · · · · · · · · · · · · · · ·	

PHOTOS = (15-16)

## ENTACT CONTROL CONTROL

### Sediment/ Surface Water Sampling Form

Sample No.:

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
N/A										
ediment ime	Sample	NO W	Descriptio	Preser						
111	Interval (ft)			02-0	5			ë (i		

Rev. 1/99

Photos (17-19)

### Sediment/Surface Water Sampling Form

Sample No.:

Site: <u>SD-29-33-0.5</u> Project No.: <u>1927 Date:</u> **5/1/06** 

Sampling Method: SEDIMENT COLLECTION ONLY (NO WATER MESENT)

Weather Conditions: CLOUDY AND HOT.

Surface Water

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHos/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
										1
NIA		<b>&gt;</b>								
	(									

Sediment

Time	Sample Interval (ft)	Description		
0845	50-29-0.5			Pay E
0853	50-29-0.5			

905 50 - 31-0.5 910 50 - 32-0.5 Comments: 50 - 33 - 0.5

NO WATER PRESENT IN DITCH. LOTS OF DESMIS (ie., MET LIMBS & STUMPS APPROX. 10' IN FRONT OF CULUMT,)

SD-31 = PHOTO 28

MAP OF SAMP LING

> CONCRETE WITEN courset ~ 25' ork GROSPID IN WORN

# ENTACT STATE OF STAT

### Sediment/ Surface Water Sampling Form

	IACI etion in Customer Car	e Sai	mple No.:	Site: S	- 03		Pr	oject No.: <u>(]</u>	おナDate: 6	11/06
Sampling N	Method: $S_{\ell}$	nomens	- COLIG	KPEN	) (A	lo wa	tool,	<u>PA</u> USEN	TIN O	277H)
Weather Co	onditions:	WDY .	A NO 1.10	) 7 ,						
Surface Wa	ater		1		r	<del>,                                     </del>				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
NA										
0										
Sediment	İ.									
Time	Sample Interval (ft)		Description							
		I pro-	1	T	1		i		No. of the last of	

Comments: SAMPLE COLLECTION POINT OFF 565
TO NORTH STOR OF CARGO FACTORY DATE WAY
AT A POTNY TOPS GRAPHELLLY TOTAL FOR STORMWITE.  RUNBING CONVEYANCY (ALONG U. STON OF ROAD), NO
NUMBERS CONVEYANCY ( ALONG IS SON OF NOAD), NO
when prisons IN DITCH.

SD-03-0,5 = PHOTO 29

## <u>ENTACT</u>

### Sediment/Surface Water Sampling Form

/eather C	Method:	ARTZY C	CONSY	1 HOT	_					
urface W	ater	/								
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pH	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
	NA -									
	1									
Sedimen Time	Sample Interval (ft)		Description	on.						
103	0.5'		51-0	24-05						
- 0										

Comments:	No WATE	n frese	M IN	DITCH.	
SAMA	ANKA DAN	K counted	) ONCANT	SIST TOTE!	7
WITH	IN From	ULINE	OF DRAIN	ALE DETE	H
				, , , , , , , , , , , , , , , , , , ,	

50-04-05 = PHOO 30

### Sediment/ Surface Water Sampling Form

	onditions: <u>CC</u>	uuny a	HOT					· · · · · · · · · · · · · · · · · · ·		
rface Wa	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
NIA										
· //										
Sediment Fime	Sample Interval (ft)		Description	1						
11	00 0,5		50-2	8-0,5				(11801) 3410		
								=		İ

PHOTO#31

### Sediment/ Surface Water Sampling Form



Sample No.: Site: 51-27-0. Project No.: 1727 Date: 6/1/06

		<i>11/12</i> C	coout !	32N AND 14V	<u></u>					
Irface Wat	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноs/см) Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)	
1.1			_							
NA							71110			مند ا
Sediment										
Time	Sample Interval (ft)		Description	1						
_ //	15 0,5	_	50-	27-05						

Comments:	SAMOLE	OFFSET	APPROX.	20'500	My OF	PANNI
DOWN	LOCATAN	V.50 12	AT IT	WAS	UD (97	EVAM
OF C	CENTAT.	SPENDING	, No	WATE	i PAR	SUM
-IN	DITCH					
				····		

P1700 # 32

## ENTACT The Method in Guidanter Corne

### Sediment/Surface Water Sampling Form

nng the Na	tion in Customer Can	<sub>e'</sub> Sai	nple No.:	Site: <u>30</u>	26-	0.0	Pro	oject No.: <u>(</u>	IFIT Date:	11/06
	Method:Se				) (N	O SURI	Aco u	<u>A</u> NN	PNESENT	)
Surface Wa	iter				T	T				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
NA	J									
Sediment										Tang approximate
Time	Sample Interval (ft)		Description	<b>!</b>						
	15 05		51)-	26-0	5					

Comments:	NO	SURF	400	WATEN	PL	165K1	TI	<u></u>
DI	EH.	No	UEG	ETATON	P.	RESUR	TI	<u>سر</u>
000	ZH	72776	31.					

PHOTO # 33

### Sediment/Surface Water Sampling Form

	Method:		T Cor	CECIZ		(No	0 501	U-ATE	VATER	)
	onditions: _S	uny								
rface Wa	ater					T T				<del></del>
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
111		>								
147								17. 75		
		I	1		L	<u>. I </u>				
Sediment										a section
Гime	Sample Interval (ft)		Description	1						
1/4	5 05		51-3	5-0,5	-					
			-A >	- 0	C- 1			D: 96. NE		

Comments:	SAMO	18 COLL	rend	ALONG	WUSI	BNN
DROD	mI	FONG	TN	Low-L	YIM	AREA:
20	WATER	FONG PANSE	M.			

PHOTO # 34

### Sediment/Surface Water Sampling Form

EN ing the N	TACT ation in Customer Care	, Sa	imple No.:	Site:	)/sw-	24	Pr	oject No.: _	C- 1727 Date:	06/01/0
Sampling N	Method: Sec	diment	ę	Sarfa	c e '	wate	<i>r</i> C	ollec.	tion	
Weather Co	onditions:	light	(a)	^						
Surface Wa	ater									
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
14110			G.87	852	25.42	1;36,7 tex	N		3.17	
Sediment	Sample							<u> </u>	I	
I IIIIC	Interval (ft)		Description							
142	0 05		5D-24	-0.5'						
Commen	ts: <u>MAIN</u> ~ DTSCH	ALE D	17CH S X. 1.5'(	Ample Desp.	Louge	יאל (צמר)	MATEN.			

NO PHOTO

## <u>ENTACT</u>

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	Bottom pH	Conduct. (ммноѕ/см)	Temp.	1 3	Odor (Y/N)	Turbidity Or	Dissolved Oxygen (mg/L)	ORP (mV)
3:45										
Sediment									\$2 	
Гіте	Sample Interval (ft)		Description	n						
13:45								yerse ug		
									8 1	

ENT ing the Hat	TACT tion in Customer Car	<sub>e'</sub> Sar	mple No.:	Site: S	)-07		Pr	oject No.: _	-1727 <u>Date:</u>	06/62
mpling M	lethod:	ediment	+ &	Surfa	ce	Was	her			
eather Co rface Wa		03 F	<u> </u>	7					, · · · · · · · · · · · · · · · · · · ·	
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1400			6.9	725	36.1	cless W/shem	7	8	5.8	
										-
Sediment		<u> </u>		-		•				
Гime	Sample Interval (ft)		Description	n						in the
14:10										
			T T							

Comments: ditch w/	shallow H20	black antity	sed.ment
west of asp	halt lat. water	has shenn.	
			÷

Interval (ft)

15:15

### Sediment/ Surface Water Sampling Form

C-1727

	kion in Customer Ca	<sub>ire</sub> Sai	mple No.:	Site:	1-12	÷ 7 N	<u> </u>	oject No.: _	Date:	, 6 ) 12 JOE
Sampling M	Method:			ter &		cent	San	<u>.p1</u> :^9	anna ann an ann an ann an ann an ann an	
Surface Wa	iter								,	
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноз/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
ļ								6.2 8.2 5.4		
15:45			7.8	605	22.29	Light	ν			
	L		<b></b>			<u> </u>		-		
Sediment										
Time	Sample		Description	n						5

50-12-0.5

Comments:	Surface	water	W 9	Sel	ear w	
stead	y Move	nest.	Sedi	zent L	145 q	
brown	Sandy S	;   + · · · · · · · · · · · · · · · · · ·	leavy	veq.	around	<b>d</b>
S=npline	locati	en Fie	ld dup	Deate f	10 × 2001	gles
for	Sediment		face	water	collec	tell

50-12-05

	ethod:	Surfa 75°F	<u>دو لا</u>	ia Ter	E .	<i>3</i>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		and ing	
urface Wa	ter									· · · · · · · · · · · · · · · · · · ·
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
13:45			7.4	497	25.17	N	N		4.02	
Sediment	Sample									
	Interval (ft)		Description	on	<u> </u>	1				
73:22										
V										

Comments:	wate	ما ب	<b>4</b> 5	Mostly	clear	W/ NO
Move	Ment.	Sedia	nen t	was	a silty	& Brown
w/	Sant 1	129.	in	sample	Heavy	V 29.
Sur	eunding	<u>5 S</u>	mp 10	point		
				<u>*</u>		
						·

ırface Wa	lethod:	75°F	54.	nn y						
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
3:20			7.71	622	19.84	Hogy	N		6.04	
	Sample Interval (ft)		Descriptio	n						
Sediment Time	•		Descriptio	n						

## <u>ENTACT</u>

LIN ding the Ha	IACI stion in Gustomer Car	sa.	mple No.:	Site: <u>\$0 - 1</u>	3 F S'	w-13	Pr	oject No.: _	Date:	5 6/12/
ampling M	Method:S	ed;vev.	+ \$	Surfa	<i>دو ر</i>	~a+e	<u> </u>	<u>مولام ح</u>		
eather Co	onditions:									W
urface Wa	iter				·			T		<b>T</b>
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
									11.43	
11:407			8.06	543	18.96					
7 -										
Sediment										
Time	Sample Interval (ft)		Description	n						
	Interval (It)		i							
71:40	interval (it)									

Comments:	W	ater	Wa	S	Clea		W	sligh	t flor
Sedine	1+	Was	O,	F.W	•	s: I-	F. '	Heavy	veg.
Stound									in
Sedim	En y								

ather Co	ethod:	70°F	Cloud	J.y.						
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
									Carlo Area (S)	
ediment										
ediment	Sample Interval (ft)		Description	on				17		
			Description	On .						

## <u>ENTACT</u>

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
, i										
Sediment										
Sediment Fime	Sample Interval (ft)		Description	on.						
			Descriptio	on						

ethod: nditions:	70°F	Clo	404						
Depth of Water Column	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
,									
Sample Interval (ft)		Description	on						
	<u> </u>								
			1						
	Depth of Water Column (D.T.W.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Sample  Depth to Bottom (D.T.B.)  Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  PH Conduct. (MMHOS/CM)	Depth of Water Column (D.T.B.)  Depth to Bottom (D.T.B.)  PH Conduct. (MMHOS/CM)  C°C)  Sample  Description	Depth of Water Column (D.T.B.)  Depth to Bottom (D.T.B.)  PH  Conduct. (MMHOS/CM)  Color  COL	Depth of Water Column (D.T.B.)  Depth to Bottom (D.T.B.)  PH  Conduct. (MMHOS/CM)  Color (Y/N)  Color (Y/N)  Sample  Description	Depth of Water Column (D.T.W.)  Sample  Per Cloudy  PH Conduct. (MMHOS/CM)  PH (Conduct. (MMHOS/CM)  PH (Conduct. (MMHOS/CM)  PH (MMHOS/CM)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  PH  Conduct. (MMHOS/CM)  PH  Conduct. (MMHOS/CM)  PH  Conduct. (MMHOS/CM)  PCC)  Color Odor (Y/N)  Turbidity (NTU)  Dissolved Oxygen (mg/L)  Conduct. (MMHOS/CM)  PH  Conduct. (MMHOS/CM)  PH  Conduct. (MMHOS/CM)  PH  Conduct. (MMHOS/CM)  PCC)  Color Odor (Y/N)  Turbidity (NTU)  Dissolved Oxygen (mg/L)

ather Co	lethod:	70°F	Clou	Jy						· · · · · · · · · · · · · · · · · · ·
face Wa	ter	1	T		I	Т		1		1
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
				1 .	.d					
Sediment										
Sediment Time	Sample Interval (ft)		Description	on						
	Sample		Description	on						

ENT ding the Na	TACT  Iton in Customer Car  Ilethod:  Inditions:	<sub>e'</sub> Sai	mple No.:	Site:S	17 0 - 18: dimen	* \$ S L	17 5R Pro	Coject No.: _	.1727 Date: O	6/12/0
Weather Co	nditions:	70F	Cloud	y						
Surface Wa								T	T	
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
<b>।०३</b> दि			7.8	545	(4.13	Clear	N		6.22	
Sediment	-		•							
Time	Sample Interval (ft)		Descriptio	on						
10:40								. Tspisson is		

Comments:	water	· was	clear	w/	513	4+	flow.	1
Heavy	ves	ta tiun	around	cre	eK,	Sedi	ment	
WAS	promo	<u> </u>	SANDLY /	5ma//	> 70.	۸و ځ	Thro Mg	,
								_



ampling l	Method:	- loudy	Water 70°	FES	ed.n	ent	Sam	pl.no	7	
urface W								······································		
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pH •	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
- 2 1										
7:00			7,72	430	19-61	Char(*c)	N		1.03	
										iii.
Sediment						<b>.</b>				
	Sample Interval (ft)		Description							
Γime	Sample		Description							
Sediment	Sample		Description							

# ENTACT Man time Manifold in Street

ampling N	Method: 5 c	rface 50F	Sunt	ter &	Sea	بازیر د	ut.	<u> </u>	b1:18	
urface Wa										
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
2,20			7.6	659	20.46	N	N		123.07	
1545			7.8	605	22.29	LINET	N			elle la company
Sediment Time	Sample Interval (ft)		Descriptio	n		<u> </u>	· · · · · · · · · · · · · · · · · · ·			
12:44		·								
	0.5	~(	-12-	5	4 51	/	2-0	5-FL	h	

Comments:	Sur	face	wate	e1 wa	s clear	w/
14 Thinks	- Mo	vemer	<u>\†.</u>	Sediment	was .	9
roya sand	y Si	1+	Eenve	ves.	around	Sandlin
locati	01.	12EU)	pro	(ITATE	SANDLES 1	En
_5000	mers	\$ 50	NA	E WATER	COULATE	D
		1				



Sample No.: Site:  $\frac{50/5\omega - 20 + \lambda\lambda}{Project No.: C1717_{Date:} 6/13/06}$ 

Sampling Method: SCODMENT / SUNFACE WARM COLLECTION
Weather Conditions: SUNNY 850

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
							_			
0855	•	_	7.6	490	20.408	LAHT	N		7.96	
0925		_	7.38	500	21.45:	LEHT	$\mathcal{N}$		3,25	
Sediment		SW-2 S <b>W</b> -2	0 \$ S	W-20- wered	AT 09	iletn 25	10 AT	0855	•	
Time	Sample Interval (ft)		Description			124	\$* )			
090	\ \s\0	-20-0	,5					3000 300		
	<u>5</u> 1	-20-0	5-F1				21 11			

Comments: Slow moven SUNTACE WARD. FIELD DUPLERA	75
COLLECTED AT SYSW-20. COLLECTED SAMPLES ON STOE OF CHANNER.	PAST
SIDE OF CHANNEZ.	
STELL WATER AT SNSW-22 COLLECTED SA	MUSS
ON WOST STOP OF CHANNER.	
٠,	

PHOTO: 182 100-6242

6/28/06 Sheet 19

6.28.06

Well Purging and Ground Water Sampling Form

	_	<b>\</b>	
		7	
	ENTA	<b>C</b> T	
.et	he Nation is	n Customer Ca	ΓĒ

Sel garate	T (u)
Well No.:	50-06

Site:	Fairment	City	RIFS	Project No.:	C- 1721

-							_ 1				
	ethod: 🗆 Pur						•		······································		
ump Type	):				Bailer Type:						
Veather Co	onditions:	18° sum	1	<del></del>							
/olume Ca	lculations:		·								·
D.T.B D	).T.W. x gal./ft.	= Gals./well	vol.)						•		
Gals./well	vol. X 3 = Tota	l Volume to b	oe removed)		Gals./well ve	ol.:	··				
	ID										
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Conduct.	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0825	SD.06	@ 1.8		7.2	292	22.82				1.72	-159.8
0910	20.01	.82-1.3		7.22	213	19.87				1.19	-119.4
0950	SD.05	0.5		7.21	294	22.40				5.03	-13.1
	20.08			7.73	274	23.60				5.11	- 38.5
1130	50.CT. 34			6.85	871	27.41				0.54	-196.3
1155	50.36			6.78	471	23. D5				6.36	-134.6
				ļ				•			
				ļ	1				ı		
		Final Samp	le Readings					ı			
										· · · · · · · · · · · · · · · · · · ·	
Commen	ts:							W	ell I.D.	Gal	lons/ft
			<del></del>				··	_	1"	<del></del>	.04
			***************************************						1.25" 2"		0.06
			· · · · · · · · · · · · · · · · · · ·	·······				_	4"		).16 ).65

Air Monitoring

Blank Taken 🗆 Time:	Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	CO/PPM
Well Duplicate 🗆 No.:						
Signature:						
Date:						

#### Sediment/Surface Water Sampling Form

5W/5D.06

	_		
Sample No.: Site: _	Eumat City NIFS	Project No.: D	ate: 6/28/06

Sheet 2d7

Sampling Method: YSI readings

Weather Conditions: 78° Sudar

Surface	Water

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0825	1-8		7.2	292	22,82			, 17	1.72	-15 9.8
Sediment	SD-CT-1			<u> </u>						
Time	Sample Interval (ft)		Description	1						
0835	0000			1						

Comments:	
5D-CT-06	collected p 0835 - 3, 1-gallon rescalable
bugs for	coastus.
YSI read	es originally recorded on well Form-
Sheet 10	7 100 6/24/06
	( at s

# ENTACT Ing the Nation in Customer Care

### Sediment/ Surface Water Sampling Form

SW/50.01

04(200		
Sample No.:	Site: Tours City NIFS Project No.:	Date: 6/28/06
•		Short 3 dd

Sampling Method:	YSI reading	
Weather Conditions:	98° Svany	

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1.2										
0910		8-1.3	7.22	213	19.87			•	1.19	-119,4
										-
		•								
Sediment	5D-C1	-08 gus		<u>.</u>				Total Accessor	e su filmania	1.030
Time	Sample									

Sedimer	it SD-CT-OX	246			11 1	
Time	Sample Interval (ft)	Description				
	0.0-0.5					
			· · · · · · · · · · · · · · · · · · ·	_ \		

Comments: 50-CT-01 collected e 0915 - 3, 1gella resa	/-
YST readings originally recorded on well Form -	
Sheet ( of 7 th o 1251 of 15	
	9.fg)

# ENTACT Ing the Nation in Customer Care

ampling N	Method:Y	SIM	cucleys							
eather C	onditions:7	e gum		······································						
urface Wa										
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0950		Ø.5	7.21	294	22,40				5.03	-13.1
Sediment	SD-CT.	-05		,						
Time	Sample Interval (ft)		Descriptio	Description						
1000	0.0 - 0.5							a sole vi		
						Ų.			9-1	

Comments:_	SD- CT-05	- 3 1	galla sa	eg/elle	609	9/07
horassa	50- CT-05 Fadings of 7 for 6/2					
YSI	Eadings of	riginally re	cordedu	well	man-	Sheet
10	7 10 6/2	2/06				
				<del></del>		



Sw/Sp-08

		1hal.
Sample No.:	Site: Parnut Coly PIFS Project No.:	Date: 6/28/06
-		Sheet 5 of 7

Sampling N	Method: Y	it reas	lings						-	/
Weather Co	Method: Y	78° Sum	<u>~-1</u>					· · · · · · · · · · · · · · · · · · ·		
Surface Wa										
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1025			7. 73	274	23.61				5.11	-38.5
										- 1
						·	·			
Sediment	50-c7	-08								
Time	Sample Interval (ft)		Description	1						
1045	0.0-0.6									
	7									

eson .	nments:  D.CT-08 - 3, 1941/on rescalable bays for hores
<u>a</u>	D.CT-08 - 3 1 gallon rescalable bays for hoses
	Sheet 1 of 7 for 6/28/06
6/0	6
ļ	

#### Sediment/ Surface Water Sampling Form

SW/5D.34

	Site: Found Coty	Project No.:	Date: 6/28/06 Sheet 60/7
--	------------------	--------------	--------------------------

eather C	onditions:						······································	·	,	
rface W	ater			T	*	, <u>, , , , , , , , , , , , , , , , , </u>				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммнозим)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
130			6.85	871	27.41		<b>Y</b>		0.54	- 116.3
	5w-34	y Sw	34-D							
				•						
Sedimen Time	Sample	+ SD	Description			<u></u>				
·····					T		sulfile, andric on Egotto Ollo			

Comments: SD-CT-34 collectede 1540 3, 1 gollon

requelelle bogs, for bio essay,

Duplicate supples of SU. 34 o Stars SD-34 also called

ed. Sed dup collected in standard steel bond - homog
initial prior to procent in lot containers

YST reading originally recorded or well form - Sheet lot?

for 8/28/06

Also

# ENTACT Into the Nation in Contoner Care.

#### Sediment/ Surface Water Sampling Form

5w/5D-36

• , .			1/ 1/
Sample No.:	Site: Paemt City	Project No.:	Date: 6/28/06
Sumple 140	one	1 10,000 110	
			Sheet 7d2

Sampling Method: YST readys Weather Conditions: \_ Surface Water Depth of Depth to Dissolved Water Time Temp. Color Odor ORP Conduct. Turbidity Bottom pН Oxygen (NTU) (mV) Column (MMHOS/CM) (Y/N) (mg/L) (D.T.B.) (D.T.W.) 6.78 6.36 -134.6 671 23.05 1155 Sediment SD Time Sample Description Interval (ft)

Comments: Or, quel YST 5	- 6/22/0B	led a voll	
Mo on 6/29/06 form 1	s + suple colle	Att 6/20100	
	,	94	8

# ENTACT Time the Mation in Customer Care

### Sediment/ Surface Water Sampling Form

	Method:									
Veather Co	onditions: _ <b>5</b> _	conny	80°E,	calm	····					
urface Wa	ater		<u> </u>			,				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
	0.8-1.6		6.77	578	21.85				1.36	-47.1
0920			7.15	416	22.62				2.73	-139.9
Sediment										is.
Sediment	Sample Interval (ft)		Description							
***************************************	Sample Interval (ft)	Sw.03	Description							
Time	Sample Interval (ft)	Sw.03 Sw-ct	Description							

For reading recorded on the sheet were for location SW - 37.

### <u>ENTACT</u>

	ion in Customer Care	<sub>s'</sub> Sar	nple No.:	Site: <u>56</u>	<u> </u>	34	Pr	oject No.: _	Date:	6/29/09
		Do	wasthe	- 4 w.	disch	gro.	scho.	enbergen	Crael	-
ampling M	ethod:	E/sonf	nate gr	u/sed	grob.	of ext	anded To	mes )		
/eather Co	nditions: 5	may ~ E	35 cal-							
urface Wat	er				<u> </u>	T I		1	<u> </u>	<u>T</u>
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0920	0.7-0.8		7.15	416	2262			2.75	1399	-/39.9
				,						
Sediment										
Time	Sample Interval (ft)		Description	l						
09										
								_1.		

Comments: * scalings for this location or grally much
on form for location swisp-36. gog
. /
SW-037-3 poly 00920 SD-037-1404 00925
SD-037- 1 40y C 0925

# ENTACT un the Nation in Customer Care:

#### Sediment/ Surface Water Sampling Form

Sw 150 13 Coffset 400' To east-location of

	ion in Customer Care	San	nple No.:	Site:		· · · · · · · · · · · · · · · · · · ·	Pr	oject No.: _	Date:	6/30/00
ampling M /eather Co urface Wa	tethod: <u>/</u> 9.	I seade	ys , -80°f	calm,	humd					
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноз/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0870		0.5-1.0	7.78	669	20.62				3.46	53.64 56.01
001-										
Sediment		*							<del>ij ja</del> nti stanta sasta	
Time	Sample Interval (ft)		Description	1	F					
	0.005									

Comments: 15I reading & broasson south SD- CT-13:
iollected et w sud of pool approx. 48, 70' long,
in (lected et w bud of pool approx. 40 tog, in 400' east of aiginal SD/sw-13 location.
Trowel + 55 Soul de const prior 10 saying - MASale
Blank SD-CT-13-RB collected @ 0805.
ORP never stabalized ofrer ~2 minuts, very slowly
decreasing. All other parameters stalatized.
gare gare

#### Sediment/ Surface Water Sampling Form

Veather Co	Method:									
urface Wa	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
										J.,
Sediment Time	Sample Interval (ft)		Description	1						
1 4	00-0.5	met of d	lend vag	oner sufle	lsed.	Sed i	sey Lock			
1550		1	1070							

East Ditch

#### Sediment/ Surface Water Sampling Form

	lation in Customer Ca	re Sa	ample No.:	Site:	v38		Pı	roject No.: _	Date:	12/12/
Sampling 1	Method:	God								
<b>Ve</b> ather C	Conditions:	855- C	runast	150 F	llo	polo	ngly -	~550F		
Surface W	ater						J			
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0853	41/2"		6.9	1.726	3.0	cleur			0.0	228.9
1110	4/2"	AA. a.	7.17	1770	4.64	clyan			137	168,3
Sediment Time	Sample Interval (ft)	1	Description					T m		
1115	0.0-0.5	Decay	of Plent	materia	luio	earth	olina			*
		greg	nuelr	materia			· · · · · · · · · · · · · · · · · · ·			
Comment	is: Samp Selv	U							2 8	

duchbhil

38 39 40

men 5

The direct ourfall



Sampling 1	Method:			***						
Weather C	onditions:									
Surface W	ater	•	-							
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
				An						
1										
1 8		£77.	e!"							
Sediment						<u> </u>		Kirs V		
Time	Sample Interval (ft)		Description							
1500	0.0.0.5		Decay-	plat a	nat u	-1 de	rhdu			
	* 15		gray	Bity mu	ch	8				

Resamples 50-38 locution for	
grach size destribution + TOC	
(1) 4 oy + 2 quart buggies	***
01	
Call	
To un	
	Resargier 50-38 (ocution for grace size Sestribution + TOC  (1) 4 oy + 2 quart buggies  Steffish



Calson + Sroffush

ampling N Veather C	Method:	Oral 0905 - 0	louder 5	10° 11	20 -	D Smrc	~ \$6 55	<u>8</u>		
urface Wa	ater		d		4	U	55	-		
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
090-3	6"		6.60	1.950	5.2	Clea			0.6	209.7
1118	G"		7,00	ľ	7.05	CLEAN			135.6	187.8
Sediment Time	Sample Interval (ft)		Description	1						
1126	0.0-0.5	nucl	y plant	natua	lu/d	ahole	uegla			
Comment	s: see	notes for	n sw 3;	8						

	Nation in Customer Ca	re Sa	mple No.:	Site: <u></u>	W-4 C	)	Pr	oject No.: _	Date:	12/12/06
	Method:	Grat								v
Weather C	Conditions:	0910 -	overcant	~50F	1130	po	Couly	~55°	<b>–</b>	
Surface W	ater				y		<i>'</i>	_		
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0912		4/2	6.77	1.923	5.62	deu			0.0	167.9
梅		41/2	5.58	2.093	828	Clem			120.0	1779
Sedimen	t Sample			U	Sur	and Rd	Plas	<del>A,</del>		
Time	Interval (ft)		Description							
1135	0.0-0.5	Pecan	n orde	mc/olan	taxete	ial u	11244			
	0.0 -0.5	don't d	treet the	Ita me	-kr.		17			
	us see r	des sur	n sa ped o	-38						



ampling l	Method:	eral				<del></del>		<u> </u>		
Veather C	Conditions:	105+ Gu	100 mg , ~	60°F						
urface W			, .							
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1:43	1.5		7.0	1.004	10.26	Cliffa	ΝO	NO	99.7	129.6
						+ = =				
	#			•				體		AGA.
Sediment	- 1 U	7.								
Time	Sample Interval (ft)		Description							
1350	0.0-0.5	decay	y plant	autho o	dort	glen	much.			
		Stome	olgran	ol		01	)			

Comments:	(1) 1345	Duplicate collectua
	•	ropices one content
Sed sayued	1350 -	Duplicate collected

Sw corner of Sitz-pool confluence of W ditch + rose creek

KSINE II

	ation in Eustomer Ca	are Sa	imple No.:	Site:	5D-4	1- N	Pr	oject No.: _	Date: 13	13/06
Sampling N	Method:	ul (7	round	)						
Weather C	onditions:	luean s	-5502							
Surface Wa	ater		T			,				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноs/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
										-
								`		
Sediment	: T	T	Γ	•						
Time	Sample Interval (ft)		Descriptio							
1605		Decuy	Plant	mater	ent +	clark	grey			
		much	STOWS	Jan	,					MT M
Comment	is: Ste Say	flewh ded for	7700	+ 6 va	n Siz	e Dis				

#### Sediment/ Surface Water Sampling Form

	ation in Customer Ca	are: S	ample No.:	Site:	4 رما	- 5	Pr	oject No.:	Date:	n/n
Sampling N	Method:6_	rul								
Weather C	onditions:	nogt "	gunny.	160°F	····					٠,
Surface Wa	ater		\							
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1400	-3"		7.04	.826	11.04	cian	טיק	No	91.6	14-8.3
Sediment								·		
Time	Sample Interval (ft)		Description	1						
1905	0.0-05	Decayor	plant m	eterial y	doch	gay me	wh			

Comments:				
* **	Sun vatu	supplied	1400	
	Sund water	Shyled	1405	
A		<i>V</i>		
Carle	m + Std/-	eralu		

Petreen 5 w comes one former pt 60-11

Next to Taven is rai area w of 8. ta.

Much refuse, flourny debres a voter

## ENTACT un the Nation in Customer Com-

#### Sediment/ Surface Water Sampling Form

43

	ation in Customer Ca	re Sa	mple No.:	Site:	9w	34 ps.	<u>Pr</u>	oject No.: _	Date:	n/n/
Sampling N	Method:	Grab								
Weather C	onditions:o	485-6	urcust	~50	1440	cle	an - 6	00=		
Surface Wa										
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0945	~ 3"		7,70	0.903		tulbel			0.0	151,0
1440	11		7.99	19.876	7.85	,,			37.8	74.8
Sediment	Sample Interval (ft)		Description							
1445	0.0-0.5	Olive o	greag sil	ty mue	la uy	sone	Le coy.	7		
Comment	s: <u>* ( w</u> 1 ·	son o	Stoffew	h						
		Sunfa Sedu	t sum	oled (	ule (1	440				
	N	ortl	7192	89,2	)		777	Ng M	ord con	t

Eust 2130659.1 Elev 409.9

No diec / //

## ENTACT in the Nation in Sustamer Care

#### Sediment/ Surface Water Sampling Form

44

Site: 9w-35pg Project No.: Date: 12/12/06 Sample No.: Sampling Method: Weather Conditions: 0954. Oueccat ~ 50°F 1450 Clear ~60°~ Surface Water Depth of Depth to Time Water Dissolved Conduct. Color Odor Temp. Turbidity ORP Bottom pΗ Oxygen Column (MMHOS/CM) (NTU) (°C) (Y/N) (mV) (D.T.B.) (mg/L)(D.T.W.) 7.83 .893 0954 136. 1450 Sediment Time Sample Description Interval (ft) 1452 Carlson o Stoffeeder Comments: Sanfare valle sampled e 1450 Seclent sampled e 1452

> N 719326.1 E 2310586.5 El 904.7

Jan and



***************************************	iation in Customer Car	<sub>e</sub> . Sa	mple No.:	Site:	U-284	5	Pro	oject No.: _	Date:	12/12/0
Sampling I	Method:	Gral							0843	
	Conditions:			et alla	<u> </u>		+ mol	*	ıT	
Surface W		closeda	1 ~ 56	e le	26	unca	-2 50	000		
Surface W			,	<u> </u>	T					T
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0845	~3"		6.68	1,440	9,94	cleas	N		0.0	267.2
1100	sure								94	
Sediment										
Time	Sample Interval (ft)		Description	b						
1105	0.0.0.5		light gr	ey, overly	us yell	onus so	Ita clay	160		
			1	stry che	100		U			
Comment			sugled says							
0	Appre		Lang Libert 15048					_	Low	lell, m

6

# ENTACT Ling the Nation in Customer Care

#### Sediment/ Surface Water Sampling Form

ing the Na	ation in Customer Ca	re Sa	imple No.:	Site:	146,	47,48	P1	oject No.: _	Date:	2/13/
Sampling N	Method:									, ,
	onditions:									
	ater SED				***************************************					
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноs/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	⊕RP (mV)
	Intown	Da	periptu	-			v			
1431	0.0-0.5	1 .	Vagre	Hoam	+ Dec	enus	O least se	aleral	vinout	
1437	0.0-0.5	5047	u	*	2 c	011	"	4	54	
Time	Sample Interval (ft)		Description	l			·			
1448	Interval (ft)	<i>51</i> 48		Ι						
	00-05	7710	vagree	stry co	y son	e dec	reyon p	kent mat	d most	
				1			•			
Comments	c·									
	J.									
				0						

doch blad

do hall

about blad

48 cottals + ree Scolges

"I of leaf not over

Scols.

EN	TACT ation in Customer Car Method: 50 onditions: 61	me Sa Miment	mple No.:	Site: OA	Z Fa	irmon Ci	+ Pr	roject No.:	172 7 Date: 1	117/0-
Sampling N Weather C	Method:	PVCACT	L 925	wind	A N			-	/	
Surface Wa	ater	<u> </u>	1 10 )							
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
•										
										٠,
1030	Interval (ft)  0 - 811		2 337.0101	57 6	500					
Time	Sample		Description	n Cea	belo	i				
	0-811									
			<u> </u>							
Comment										
811	gray/bro coloved	oun colul	hesive ev 1)ty clm	organic,	, sitty	dry,	ivan s	stainin ics, s	g (vust. of 4, sa	- - F.
7-6" 7-1"	drgar	nics, w	ood	<i>)</i>						

Veather C urface Wa	Method: <u>SC</u> 0 onditions: <u>0</u> ater	eviasy,	winny	, ary <sub>f</sub>	703	1				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноз/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	OR (m)
								`		
ediment	Sample Interval (ft)	01-0	Description	i Sec	belon	~				,
1105	0-10"									
- 4"	avan	loose e Thrown	organic silty	, soft,	stror	79 049	anic ou		nodul	



urface W	onditions: <b>OV</b>		<del>"                                    </del>	1				1		
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp. (°c)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
ime	Interval (ft)		Description	on see !	Clore					
	<u> </u>									
	<b>9</b> -9.5"								179 DAILS 574 STUDE COMM	
	<u> </u>							(h) a de la companya	ME SECONDARIA	
125	<b>0</b> -9.5"									
125	<b>0</b> -9.5"									
Commen	<b>0</b> -9.5"									

Sampling I	Method:	Surface	H26		Hand				<u> 2727 Date:</u> KW	RR
Weather C Surface W	onditions:	6°F Par	thy Claud	y Hum	id sh	dut my	<b>d</b>			
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0949	0.7'		7.15	1.318	24.27	yellan is Brown	Y		10.12	54.40
		L				L Yan I				
Sediment	t									35353
Time	Sample Interval (ft)		Description	n						
- 7										
Commen	ts: At o		dibra	tion o	f 43	] - K	2K.	3*		

	Nation in Customer Car	<sub>re</sub> ∶ Sa	mple No.:	Site:	GIM DI	- DA	2 Pr Covetto	oject No.: 🕻	1727 Date:	7/18/07 OIRR
Sampling	Method:	Surface 90°F 1	4,0						Ri	OIRK
Weather C	Conditions:	90°F 1	Partly Choic	by wind	NW D-	50ph	thunid			
Surface W	ater			[		, ,	<del></del>			
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
Ŀ		á							7.90	
1005	0.10		7.18	1.320	26.22	YUNNIS	, - <del>\</del>		9.72	-186.70
1007	0.6		7.15	1.319	26.37	Yellowish Brown	У		4.40	-346.90
Sedimen	ŧ									
Time	Sample Interval (ft)		Description	1						
Commen	nts: <u>WW.110</u>	ind Are	· O							

Weather C Surface Wa		Po°F	mostly.	sunny 5	olign+ m	indo fr	em yn	IN) Hun	vd	T
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	pН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1024	0.81		7.69	1.305	25.65	yellowish Orana	У		2.30	-206.5
Sediment Time	Sample Interval (ft)		Descriptio	n			-			
		and Ave	·0			l l			L'.	

Veather C	Method:	30°F M	ostly cla	edy Hun	viel Wh	ndo sl	ight			
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0910	i. 2'		7.09	0.488	25.42	Clear	7		7.35	92.00
Sediment	Sample Interval (ft)		Description	1						
Time	1111000									
Time										

### Sediment/ Surface Water Sampling Form

enter

Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноs/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
	Sample Interval (ft)		Descriptio	n						
Sediment Time	Sample		Descriptio	n						

#### Sediment/ Surface Water Sampling Form

ations in Customer Car	ne Sa	mple No.:	Site: <u>+au</u> 3W -43 -	(MONT) SD-41	3 (SH	ream)	oject No.: <u> </u>	<u>1117 Date:</u>	VIND.
Method:	urtace	H20					·····	E	TOLKE
onditions:	10°F MG	istly Si	unny	DNING	1 H	unid			
nter			J						295
Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
b.5'		8.08	0.382	24.99	dean	Ν		1232	-40.7
	,								
Sample Interval (ft)	-	Description	n						
	*	Description	n						
	Depth of Water Column (D.T.W.)	Depth of Water Column (D.T.W.)  Doe Mo Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  Depth to Bottom (D.T.B.)	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  Depth to Horizontal Physical Physic	Depth of Water Column (D.T.W.)  Depth to Bottom (D.T.B.)  Depth to Bottom (D.T.B.)  Depth to Bottom (D.T.B.)

#### Sediment/Surface Water Sampling Form

Column (D.T.W.) (MMHOS/CM) (OC) (MMHOS/CM) (	Weather Con	ditions:	90°F 1	2 pikcol	unny Hu	mid	Øw;	N	 	
Time Water Column (D.T.W.)  PH Conduct. (MMHos/CM)  PH	urface Wate	er	T			,	, , ,			
Sediment  Time Sample Interval (ft) Description	Time	Water Column	Bottom	рН		Temp.	Color		Oxygen	ORP (mV)
Time Sample Interval (ft) Description	11324	0.4'		7.04	6.418	24.24	dear	N	5.78	-4.30
Time Sample Interval (ft) Description										
Interval (ft)  Description	Sediment									
Comments: Stylam				Description	on					
Comments: Stylam	l l	interval (it)		Į.						
Comments: Stylam	l l	micival (ii)	_							
		interval (it)				42 TAL	i .			allius.
			Λ							
			<b>n</b>							

#### Sediment/ Surface Water Sampling Form

Sampling	Method:								m(-3	
Weather C	Conditions: <u>O</u> L	vercast	90.	windy	7 h	amidi	<del>ty</del>			
Surface W	ater	<b>,</b>	<b>1</b>		T	<del>,</del>		T		Ţ
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
				·					101	775-
1315 Sedimen	t	0.40	₺.73	0.876	2745				1.81	-238.2
	Sample	0.40	Description		27.45				1.01	-2.28.2.
Sedimen	1	D. 4D			27/45				1.01	-2.28.2.
Sedimen	Sample	D. 4D			27.45				1.01	-2.28.2.
Sedimen	Sample	D. 4D			27/45				1.01	-2.28.2.
Sedimen Time	Sample		Description	n					1.01	-2.28.2.

#### Sediment/ Surface Water Sampling Form

Sample No.:

Veather C Surface W	Conditions:	vercast	90	windy	4 ha	midity				
Time	Depth of Water Column (D.T.W.)	Depth to Bottom (D.T.B.)	рН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1340		0.5	7.97	0.570	30.61				10.71	-57.7
										,49,
Sedimen Time	Sample Interval (ft)		Description	1						
C	nts:									

Site: Fairmont City RIFS Project No.: C1727Date: 7.19.07

#### Sediment/Surface Water Sampling Form

Sample No.:

of r Bottom (D.T.B.)	pH	Conduct. (MMHOS/CM)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0.45	1.59			1				
		0.901	29.06				3.01	- 91.5
(ft)	Descriptio	on						
(ft)	Descriptio							
	(ft)	(11)		(ft) Description				

Site: Fairment City RIFS Project No.: C1727 Date: 7.19.07

### APPENDIX C-4 WELL CONSTRUCTION AND DEVELOPMENT LOGS



Well No.

MAN-01

Date: 06 / 22/06

Mon. Tues. Weds (Piurs.) Fri.

Site: AZRIFS	
Weather: 90's Swany humid Project No.:	C-1727
Development Method: Pumped Bailed Other:	#1.50 m
Pump Type: Go Salur + TGCo Punco 2 Bailer Type:	
Pump Type: Go Quart Go Who Bailer Type: Volume Calculation: $24-17.58 \times 0.16 = 1.0272 \times 5=5$	136

(D.T.B. - D.T.W. x vol./ft. = PVC/well volume) + (N\* x H\* x Annulus vol./ft.) = Total Well Volume

\* (Wells that cannot be purged dry, 10x's the Total Well Volume must be purged)
(Wells that can be purged dry, slowly removing water, without surging until dry)

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	Temp.	Color	Odor Y/N	Turbidity	D.O. ORP
1232	17.58'	24 '	3.75	Removed	vith Geo	Squirto	11240			
1246			24	6.82	1135	47.8	cloudybrown	Ν	Yes	2.06 28
248			42	6.83	1128	17.46	transvicent hight brown	N	Yes	1.B -19.C
1249			74.4	6.83	1120	17.48	11	N	Yes	1.06 24.2
1250			4.5	6.83	1117	17.44	11	N	les	0.94 -33,4 0.88 38.8 0.82 45.
25			4.6	6,82	1117	17.32	11	N	Yes	0.88 38.8
1252			4.7	6.83	1110	17.22	1/	N	Ves	0.82 45.
253			4.9	6.83	1103	17.32	11	N	Yes	0.78-50.6 0.75-55
253			24.9	6.83	1100	17.47	1/	N	Yes	0.75 55
1254			5	6.87	1099	17.52	10	N	Yes	]0.72-58.

\*N = porosity of filter pack

Comments:

- \*H = length of filter pack or length of saturated filter pack (water level within screen length)
- \* = A 30-minute surge and purge before the 10x's the Total Well Volume

	00	1.6	0.4		
Signatu	re: 110	atta	20al	Com	
,				,	

Annulus	v <b>ol./ft.</b>	Inside Diameter	vol./ft.
4"	0.42	1"	0.04
6"	1.24	1.25"	0.06
8"	2.38	2"	0.16
10"	3.85	4"	0.65

HNu/PPM	LEL/%	02/%	H2S/PPM	CO/PPM	
	İ				



Well No. WW-02

Date: 06 / 20 / 06

Mon. Tues. Weds. Thurs. Fri

Site: AZF	TIS	Fairmon	t City, ]	<u>L</u>							
Weather:	90's, sm	m	<u>,, ,, , , , , , , , , , , , , , , , , </u>	Pro	ject No.:	C-176	27				
Development	Method:	Pumped 🖸	Bailed		ner:						
	Georum				iler Type:						
Volume Calc	ulation:	24.11-18.	96) x 0.16	= 0.8	24 x5	=4.13	ર				
* (Wells tha	D.T.W. x vol. t cannot be put t can be purge	rged dry, 10	x's the Total	Well Volur	ne must be	purged)	Total V	ell Vol	ume		
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	Temp.	Colo	r	Odor Y/N	Turbidity	
1416	18.96	24.11									
	Removed	3 gallons	with E	eofuno					5.011-0-0-1991		
1448		3	3	6.91	1391	2119	cloud	y brown /	V	X5	
1451			3.5	6.85	1357	11/2.2	орада	7	M	slight	no s
1452			<i>≈</i> 3.5	6.85	1358	6.29	proper		N		D.O. 3
1453			×3.75	6.83	1372	16.0	brow	`	N.	clearing	7
1455			≈3.9	6.82	1420	15.88	tint		N		D.O.2
1457			24	6.83	1417	15.9	<b>Slight</b> Grand		Ν.		D.O. J
1458			24	6.85	1356	16.14	stight	orona	N		D.O.
<u>  1500</u>			≈4.1	6.86	1342	16.01	tut	roun	N		D.O.
Comments:					Ann	ulus vo	ol./ft.	Insi	de Diame	ter vol./ft.	
					4"		0.42	<del>                                     </del>	1"	0.04	-
***					6"		1.24	<b>  </b>	1.25"	0.06	-
*H = ic	orosity of filten	pack or leng	th of saturate	d	8"		2.38	<u> </u>	2"	0.16	_
* = A	lter pack (wate 30-minute su	irge and purg	ge before the	(th)	10	T T	3.85	<u> </u>	4"	0.65	_
10	)x's the Total		e		HNu/PP	M LEL/%	02/%	H2S/PPI	M CO/PF	'M	
	11/ 11	/ \/ l			1	1	1 1		i		1

For 2.93



Well No. MW-02

Date:	06	12	0	_	0	6
Mon. (	Tues.	Veds.	Th	urs	i. ]	Fri

e: AZR	IFS 10's, sum	n . i			oject No.: _	(	-15	725	7				
evelopment	Method:	Pumped 🖸	Bailed	Li Oti	her:								
ump Type: _	Geofu	ump a		Ba	iler Type:			-					
olume Calci	ulation:	•	·				i	·		***************************************			
Wells that	D.T.W. x vol., t cannot be put t can be purge	rged dry, 10	x's the Total	Well Volu	me must be	purg	ed)	Total \	Well '	√olum	ne		
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	Ten	c)	Cole	or	1	Odor C/N	Turbidity	
216 <del>02</del> 4	۵.		4	6.86	1318	16	.23	brow	^		1/		Do.
LAHIS	04		42	10.86	1293	1/2	24	pros			17		D.O.
1/05/5	n5		1111	100	2/4	1/2	21	trans	hoen	1	Ň/		D.O.
TOURA			11.5	10.01	1001	17	01	trans	woend	1	M /		4
1506			7,0	6.86	1207	- 19	1.37	trans		_	10		D.O.
1501			17.6	6.82	12'18	16	.33	u			N		D.O.
			i i										
													]
Comments:		1	1		Ann	uius	vo	l./ft.	٦٢	Inside	Diamete	r vol./ft.	j
					4"	,	-	0.42	<b>-  -</b>		1"	0.04	
					6"	,	1	.24	7	ı	.25"	0.06	
*N = p	orosity of filte	er pack			8"	,	2	2.38	1		2"	0.16	1
	ength of filter lter pack (wat				10	)"	-	3.85	$\exists \vdash$		4"	0.65	
* = A	30-minute su )x's the Total	irge and purg	ge before the		HNu/PP				H <sub>2</sub> C	DDM	1		Ħ
10		Well Volum			TU VU/FF	· · · · · ·	-1-1 /C	021 10	1123/	1 1 141	CO/III		4



Well Development (Must Have Well Construction Diagrams)

Well No.	MRE03
----------	-------

Signature:

Date: 6/20/06

Mon. Tues. Weds. Thurs. Fri.

<b>.</b>	0.50								12	
e: A7					ings No.		0.0	· ¬ ¬		
evelopment Me		T								15-11 15-11 15-11
mp Type:					iler Type:				35/4.	Er -
olume Calculat	ion: 25.6	-9.BI	× 0.16	Da	$2 \times 5 =$	= 12.60		·····		
(D.T.B D.T (Wells that ca (Wells that ca	.W. x vol./	ft. = PVC/w	ell volume) +  c's the Total	· (N* x H* Well Volur	x Annulus v	ol./ft.) =		Well Volum	ne	
I	Depth to Water D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН		(°C) Temp.	Cole		Odor Y/N	<b>Furbidity</b>
	9.81	25.6							11.4	ğı ye
1628		Remov	ed 8 ag	llons w	ich Geo	pump			A.	
1630			8.5	6.21	2876	8.29	day	Lypogale /	$V \perp$	Yes
1652			10	6.23	2796	7.85	Gans			es arrit
1654			10.5	6.23	2769 1	7.77	tran	slucent 1	V	3 tind
1656				623	2758 1	7.75		duant 1	/ Jy	es tig
1657			11.5	622	2767	7.69	tran	shown 1		ks list
), \00			1.75	6,25	2809	8.74	tra	educent		lesgryy
1,70/			11.8	6.25	2810	8.6	11.		(N)	es"
1102			11.7	6.25	2813	18.60	Han	shood	V	les
omments:					Annul		ol./ft.	Inside	Diameter	<del></del>
					4"		).42	┨├──;	1"	0.04
*N = poros	sity of filte	r pack		<del></del>	6" 8"		1.24		.25"	0.06
*H = lengt	h of filter p	pack or lengt	h of saturated		10"		2.38 3.85		4"	0.16
* = A 30	-minute su	rge and purg Well Volume	e before the	,,		T -		H <sub>2</sub> S/PPM	T	
10% 3	THE PULL	on voiding	•		111.40/11:41	LLL/ it	02/10	1120/FT IVI	CO/FFIVI	



### Well Development (Must Have Well Construction Diagrams)

n the Nation in	Gustomer Gare											
Well No. M	W-03							Date	:	06/2	0 / 06	
	W US								7		Thurs. Fri.	
Site: A	POTES											
Site:	90's, sw	uny		 Pro	oject No.: _	. (	\_ ·	1725	7			
Development	Challesian o		1									
Pump Type: _		_										
Volume Calcu	Switcher Co.											=
(D.T.B. – I * (Wells that	D.T.W. x vol.	/ft. = PVC/w irged dry, 10	ell volume) a	· (N* x H* Well Volu	x Annulus	vol./ft.)	) = T )	otal We	ll Vo	lume		
			v removing w						_			n este
Time	Water (D.T.W.)	Bottom (D.T.B.)	Removed (gal.)	pН	Cond.	Temp		Color		Odor Y/N	Turbidity	
1703			12	6.25	2816	18.6	1	Gansh	ant	N	Yes first	D.O. 1,34
1704			× 2	6.22	2821	18.6	6	Eaush	٦,	Ň	Yes that	D.O. 1.24
1705			12.1	624	2828	18.6	9	bansh	icut	Ν	Yes that	D.O 1.19
1706	- 1		12.2	622	2824	18.9	3	trandu	cont	: N	Yes	DO. 1.0
1707			12.3	625	2831	19.0	9	tonsh	ant	N	Jes .	D.O. 1.05
1,0,1		1	72.3	6.24	2838	19.	6	transh	count	· N	Yes	D.O.1.0=
170.7			×19.3	624	2838	]9.[	7	bandu	LOUNT		Yes	p.o. 1.0.
-									+			1
									+			1
Comments:		1		<u> </u>	Ann	nins	vol	/ft	Ins	side Diame	ter vol./ft.	1
				· · · · · · · · · · · · · · · · · · ·	4"	<del></del>		42	1113	1"	0.04	1
				<del></del>	6'	,	1.	.24		1.25"	0.06	
	orosity of filten		th of saturate	d	8'	·	2.	.38		2"	0.16	
fil * = A	ter pack (wat 30-minute s	er level with urge and pur	in screen leng ge before the		10	)"	3.	.85		4"	0.65	4
10	x's the Total	Well Volum	ie		HNu/PP	M LEL	./%c	02/% H:	S/PF	РМ СО/РЕ	PM	
<b>J</b>	UV milt	Me	7M									



Well	No.

MW-04)

Date: 6/21/06.

Mon. Tues. Weds. Thurs. Fri.

ļ

Site:	Method:  The Property of the p	Pumped Department of the Pump II	Bailed  S.13 = rell volume)	Oth Ba  # .4 7  + (N* x H*	x Annulu:	= ()		×.5=	ء ڪ Vell V	Vol <b>ume</b>		
(Wells that	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pH	out surging  Cond.	until d	lry)	Colo		Odor Y/N		urbidity
0845	18.13	22.60	3.0.	6.45	1033	19.0	98	89%	rlo	N	Ċ	len
10855			3.5	6.46	1060	18.9	7/	Color		N		len
0900			40	6.53	1043	18.	74	Color	less	N	1	Clen
2906			4.5	6.55	1036	18.	87	Calor	lec	LN	6	7/em
0910	18.25		5.0	6.55	1038			Color		16	6	len
										~		
Comments:					4'			l./ft. .42		nside Diamo	eter	vol./ft. 0.04
*H = ler filt * = A	prosity of filter ngth of filter ter pack (wate 30-minute su	pack or lengt er level withinge erge and purg	n screen leng e before the	d gth)	6' 8' 1(	)"	3	.38		1.25" 2" 4"		0.06 0.16 0.65
	x's the Total	well Volume	2		HNu/PP	MI LE	L/%	U2/%   I	H2S/I	РРМ СО/Р	РМ	





Well No.	5					Da	te: <u>00</u>	121	100	
						Mo	on. Tues.	Weds) Th	urs. Fri.	
•										
Site: OAZRI	rs				س ۸	100				
Weather: Sunu	Junia, 80'	<u>S</u>	Proj	ect No.:	<u>(- '</u>	12/				
Development Method	Pumped \	Bailed								
_	xoo Pump 2	HA. Geo S	quirt Bail	ler Type:						
Volume Calculation:	(28.51-22.48	X 0.16=	0.9648	x5=L	.82					
(D.T.B. – D.T.W.	vol./ft. = PVC/v	vell volume) +	(N* x H* :	x Annulus	vol./ft.)	- Total W	ell Volum	ie		
* (Wells that cannot (Wells that can be	be purged dry, 10 purged dry, slowi	)x's the Total ly removing w	Well Volum ater, withou	ne must be it surging i	(purged until dry	)				
Depth	to Depth to	Volume Removed			(oc)			dor		
Time (D.T.	TIT ()	(gal.)	pН	Cond.	Temp.	Colo			urbidity	
0940 22.4	3' 28.51'			1						
Jana 10	n removina	unber St	m well							
1 1012 Pour	1 11	40:4	1	2 gallon	- PM	red at	IDID			
use 1020	Ca prymion	130 9	1.1	100	N I I I	vena	1000)			
1000		14 (N	(1)	Squar	16 6	5 grage	4 1	7	160 bour	D.O. <b>9H</b> Q
100		4.8	6.62	2109	10/5	J Claud		<del>/   ,</del>		D.0 3.02
1007		7.0	9.61	2 87	18.0	7	- 1	<del>/   -</del>	yes Vac	D.O.Z. K
1038		12	6.60	2111	10.0	1 brown		/	Yes	D.O. 1.8
1040		525	6.61	3/04	0.0	7 boows	funt 1		. 7	D.O. 1.7
1041		5.3	6.61	3107	10.9	1 brow	ntint	V /	yes_	D.O. 1.68
142		~5,35	6.61	310/	18.8	/ Stown	tind	$\sim$	Yes_	0.0. 1.6
Comments:			***		<b>u</b> lus	vol./ft.	Inside	Diameter		1
				4,	,	0.42		1"	0.04	
				6'		1.24	<u> </u>	.25"	0.06	
*N = porosity *H = length of	of filter pack filter pack or len	g <b>th</b> of saturate	ed	8'	,	2.38		2"	0.16	1
filter pac	(water level with	hin screen len	gth)	10	)" <u> </u>	3.85		4"	0.65	_
	Total Well Vol <b>u</b>			HNu/PP	M LEL	/% 02/%	H <sub>2</sub> S/PPM	СО/РРМ		





ENTACT	
the Nation in Custome	•

Well No.	05	>

Mon. Tues. Weds. Thurs. Fri.

Site: AZRITS  Weather: 90, SWAY, Lumid  Development Method: Pumped D Bailed D  Pump Type: 620 Pump 2 & Geo Squark	Project No.: C-1727 Other: Bailer Type:
Volume Calculation:	ballet Type.
(D.T.B. – D.T.W. x vol./ft. = PVC/well volume) + (N* :  * (Wells that cannot be purged dry, 10x's the Total Well V (Wells that can be purged dry, slowly removing water, v	Volume must be purged)

	Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	oc Temp.	Color	Odor Y/N	Turbidity	
	1042			5.4	6.61	3188	8.83	brownstand	M	Yes	D.O.1.60
7						-					
		-									
-									SHVIII S		

Annulus

vol./ft.

Comments:

\*N = porosity of filter pack

\*H = length of filter pack or length of saturated filter pack (water level within screen length)

\* = A 30-minute surge and purge before the 10x's the Total Well Volume

Signature:

4"	0	.42			1"	0.04
6"	1	.24		1	.25"	0.06
8"	2	2.38			0.16	
10"		3.85			4"	0.65
HNu/PPM	LEL/%	02/%	H2	S/PPM	CO/PPM	1

Inside Diameter vol./ft.

HNu/PPM	LEL/%	02/%	H <sub>2</sub> S/PPM	CO/PPM	





ENTACT
the Nation in Customer Care

Well No.	06
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Mon. Tues. Weds. (Hurs.) Fri.

Site:	H2KIF	<u>S</u>								
Weather:	upper 804	s, hunnid	surry	Pro	ject No.:	C-172	7			
Development		Pumped \( \square\)		☐ Ot	her:					
Pump Type:	5eoSquirt (	Geo Pun	<u>,2</u>	Ва	iler Type:					
Volume Calc	ulation: _b	7-22,06	x 0.16=1	<u>).7904                                    </u>	x5=3	3.95Q			·	
(D.T.B :	D.T.W. x vol., t cannot be pu t can be purge	ft. = PVC/w rged dry, 10	ell volume) - x's the Total	+ (N* x H* Well Volu	x Annulus me must be	s vol./ft.) = ' e purged)		Volume		
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	Temp.	Color	Odor Y/N	Turbidity	DO ORY
1130	20.0679	271	21	vith Ge	Squir	60115	3			Geofump 2
1209			2.5	6.9	775	17.43	brown tint travelucent	N	Yes	282 52.1
1211			≈2.7	6.9	772	17.34	11	N		246 43.1
1212			2.75	6.89	769	17,29	11	N	Yes	227 34.5
1213			2.8	6.88	769	17.18	clear	N	Yes	2.11 26.8
1214			2.9	6.9	766	17.16	//	$\mathcal{N}$	Yes	1.99 17.6
125			23	6.89	766	17.07	1)	$\sim$	Yes	1.88 6.2
126			23.	6.89	766	17.12	//	$\mathcal{N}$	Yes	1.83 1.7
1217			~3.25	6.9	764	17.24	11	N	Yes	1.73 -3.4
1218			3.3	69	765	17.25	11	N	<b>Y</b> es	1.66-6.8
Comments:					An	nuius vo	i./ft.	Inside Diamet	ter vol./ft.	]

6" 1.24 1.25" 0.06 8" 2.38 2" 0.16 10" 3.85 4" 0.65	4"	C	.42			1"	0.04	
	6"	1	.24		1	0.06		
10" 3.85 4" 0.65	8"	2	2.38			0.16		
	10"		3.85			0.65		
HNu/PPM LEL/% 02/% H2S/PPM CO/PPM	HNu/PPM LEL/		02/%	H2	S/PPM	CO/PPM		

<sup>\*</sup>N = porosity of filter pack

<sup>\*</sup>H = length of filter pack or length of saturated filter pack (water level within screen length)

<sup>\* =</sup> A 30-minute surge and purge before the 10x's the Total Well Volume



Well Development (Must Have Well Construction Diagrams)

w	ell No.	06										/22 eds(Th	/ 06 urs. Fri.		
Si	te:A	ZRIFS	- 64.04	laurai	Γ	ject No.: _	۲-	174	07						
W	eather:	pper 80's	5, SMU	g numa		ner:		•	•						
D	evelopment	Method:	Pumped L	Bailed		iler:iler: Type:									
		lation:	1		Dai	ner Type.				· · · · · · · · · · · · · · · · · · ·					
	(D.T.B. – I	D.T.W. x vol., cannot be purge	ft. = PVC/w	x's the Total	Well Volui	me must be	purge	d)	Γotal W	/ell Vol	ıme				
	Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	Tem		Colo	г	Odd Y/I		urbidity	D.O. G	
	1219			×3,5	6.9	765	17.0	24	de	ur	Ņ	/   \	105	1.6 - 9.	
	1220			3,5	6.9	764	1/00	23	de	25	Λ	/   .	Yes	1.46 -1	
	1222	22.9		237	6.9	763	1/00	21	cle	ar	Λ	/   )	es	1,39 -1	6
										4					
-															
								<del></del>					······································		
														1	
	Comments:			1			nulus		l./ft.	Tine	de F	)iameter	vol./ft.	]	
						4			).42	11113	1'		0.04	-	
						6	,,	1	.24		1.2	5"	0.06		
		orosity of filt		wh of course	ad.	8	,,	2	2.38		2	,,	0.16		
*H = length of filter pack or length of saturated filter pack (water level within screen length)  * = A 30-minute surge and purge before the							0"		3.85		4	***	0.65	_	
_	در = + 1	0x's the Total	i Well Volun	ve Se perore me		HNu/PI	PM LE	L/%	02/%	H2S/PF	М	CO/PPM			
J	Signature: _	Shafta	Man	n							-				
	(		-	•							$\dashv$			_	

	A	
	COST	•
	ENTACT	
4	ne Nation in Customer Care	

	IAU I tion in Gustomer Ca	105				_	_					
		We	ll No.: <b>O</b>		Site:	ZRIF	<u>S</u>		Proj	ect No.: <u>C-</u>	1727	
					•							
rging Me	thod: Pun	nned □ Ba	niled □ Mic	ronurge	ПС	)ther						
mp Type:	thod: Pun Cosque nditions: Wh	t. Geof	ump Ž	opa.ge	Bailer Type:							
eather Co	nditions: Way	x80's, Si	unny hum	<u>d</u>								
lume Cal	culations:	28-21.	15)×0.16	= 1.0	148 x5=	524						
	T.W. x gai./ft.		/	·								
als./well	vol. X 3 = Tota	l Volume to t	oe removed)		Gals./well vo	ol.:						
	Depth to	Depth to	Volume			Т				Dissolved	h	
Time	Water (D.T.W.)	Bottom (D.T.B.)	Removed (gal.)	pН	Conduct. (ммноѕ/см)	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Oxygen (mg/L)	ORP (mV)	
036	21.45	28'										
040	W.D	X.0	Ц	Qom.	ved with	Gas	int					
049			4.5	7.14	777	17.05	Down	N	Yes	3.9	169.9	
830			×4.5	7.12	706	17.02	gaging	LAI	Ya	3.89	139.1	*
05			4.6	7.2	727	16.97	prounting	11	Yar	4.09	119.1	
NS2			4/5	70	709	1686	//	10	Ya	429	1088	
152			24.7	7/2	730	16.8	11	N	Yes	441	987	
INET!			2475	m I	1920	16 95	11	10	Yes	4.49	81.5	
055		-	119 10	Fig	1732	6.94	10	N	Yes	4/2	1051	
100			40 6	ויפושו	A	17.46	translyge	k A I	YES	6.64	150.2	عان
W DCU		1	[7]	1.16	1740	17.70	Plaarth	e IV	100	10.01	1000	Ċ
		Final Samp	ole Readings									9. Y.
	A STATE OF THE STA				e will a second							,
Commen	ts:							W	ell l.D.	Ga	llons/ft	
·	······································							-	1"		0.04	-
				······································				_	1.25"		0.06	-
								_	2"		0.16	-
								<u> </u>	4"		0.65	]
				Air	Monitoring							٦
Bla	nk Taken 🛚	Time:		L	ocation l	Hnu/PPM	LEL 9	6 0 <sub>2</sub>	0/6	H <sub>2</sub> S/PPM	CO/PPM	
	olicate 🗀 No.	(11)									3	-
Signature		<u>muo</u>	n								and the same of th	
Clate:		: 06		<del> </del>							1	i

ENTACT
he Nation in Customer Care

	TACT tion in Gustomer Ca	une.			*10	•					
	·		II No.:	)7	Site:	AZRI	FS_		Pro	ject No.: <u>C</u> -	1727
			·								
urging Met	thod: 🛈 Pum	nped □ Ba	iled 🗆 Mic	cropurge		Other:					
ump Type:	nditions: which	mp2			Bailer Type	:					
/eather Co	nditions: <u>up</u>	12/80'S	humid	sun	ч						
'olume Cal	culations:	\ 	, ,		J						
<b>D.T.B.</b> - <b>D</b> .	T.W. x gal./ft.	= Gals./well v	vol.)								
Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well v	/ol.:					
	Depth to Water	Depth to Bottom	Volume Removed		Conduct.	Temp.		0.4		Dissolved	ORP
Time	(D.T.W.)	(D.T.B.)	(gal.)	pН	(MMHOS/CM)	(°C)	Color	Odor (Y/N)	Turbidit (NTU)		(mV)
1100	hi		5	712	737	17.28	translucial	N	Yes	775.0	132.4
11002			5,2	7.09	738	17.28	"	N	Yes	4.64	115,5
1108			6	7.08	739	17,22	11	N	Yes	14.72	105
1100			6.1	7.07	739	17,23	11	N	Yes	4.71	953
1110			6.25	7.07	741	17.22	11	N	Yes	14.75	90
1111		1	16.3	696	740	17.33	11	ΛĴ	Yes	1101	94
-///			1,35	7.06	739	17,37	V	N	Ve	4.7	822
11/2		1	10.5	7.07	739	17.28	11	N	Vo.	- 474	75.3
1114			6.6	nn	7720	7.25	clear	1/	Va	- 4.73	69.3
1115			1,75	7.07	17317	117.08	11	11/	Ye	472	15.4
1113	21.59		ole Readings	7.07	731	17,25	11	N	Ve		62.1
	QIP .	Final Samp	ole Readings	•	,	,,,,,,		,,,	16	3 /	
								<u></u>			,
Commen	ts:							_	Well I.D.		llons/ft
					······································			-	1"		0.04
								_	2"		0.06
								_	4"		0.65
										1	V-V-
				Air	Monitorin	<u></u>					
	nk Taken 🛛			L	ocation	Hnu/PPM	LEL 9	/0	0, %	H <sub>2</sub> S/PPM	CO/PPM
-	plicate No				-	****					
	= fleath	Mun	Λ		a para de caración						
Date:	U00 20	1 06									***************************************

å.		
	ENTACT	
2	ne Nation in Customer Care	

N	<u>IACI</u>										
ne Na	tion in Gustomer C		Il No.: P-	01	Site: <u>()</u>	ZRIFS			Proje	ect No.: _C-	727
imp Type:	thod: 15 Pur <u>Geo Squi</u> nditions: <u>80</u>	irt \$ Geof	Pump 2		Bailer Type:						
olume Cal	culations: 2	5.62 -	22.17 =3	5x0.1	6 < 0.56	x5=2	<u>, R</u>				
	T.W. x gal./ft.			<u> </u>	<u>v.                                      </u>		<del>,                                    </del>				
	vol. X 3 = Tota				Gals./well vo	ol.:					
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Conduct.	Temp. (℃)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1725	22.12	25.62	_								
0728				with	eo Sauir-	than	switch o	dto	George	M2	
010-0					eo Squir		opaque	Ν	1/25	1	
0142			~1.5	6.3	10.	18.58	transmon	<b>A</b> /	Yes	4.57	107.1
0743	/	- 10-4	1.6	63	633	18.54	11	N	Yes	4.34	108.2
0744			1.7	6.3	632	18.48	1/	$N_{\perp}$	Yes	4.04	107.7
0745			1.8	6.29	631	18.49	"	N	Yes	3.6	107
0746			لم الم	6.28	630	8.53	11	N	es	3.3	106.4
0747			2.1	6.28	629	18.6	11	N	les	2.95	105.5
0748			2.3	6.28	629	8.59	//	N	Xes	2,82	1053
		Final Sam	ple Readings								
									Well I.D.	Ga	llons/ft
Commen	ts:								1"		0.04
								_	1.25"		0.06
							<del></del>	_	2''		0.16
					***************************************				4"		0.65
				Air	Monitoring						
Bla	nk Taken □	Time:				Hnu/PPM	LEL %	6 (	), %	H <sub>2</sub> S/PPM	CO/PPM
Well Du	olicate 🗆 No	).:									
Signature	: floother	thoin			<u> </u>						
Date:	006 22	2 06									

### ENTACT -

the Na	tion in Customer Car	re		01		100	to				מת מו
		We	II No.: P	-01	Site:	AZRI	-42		Proje	ct No.: <u>C-</u>	112/
- traina Mat	thod: 🗓 Pum	ned DBs	iled 🗆 Mi	CTABUTAS	П	Tther.					
anging ivier		nped L ba	iled C Mil	ri obai ge	Bailer Tyne:	Milet.					
Jeather Co	CLORUM nditions:SC	S. SUM	u hunoid		Danci Type.						<del></del>
'olume Cal	culations:	Joyan	A. marrord		<u></u>						
	T.W. x gal./ft. =										
	vol. $X 3 = Total$				Gals /well v	ol·					
ouis., weir	voi. A 5 – Total	voidine to e	e removed)		Gaiss wen v	Oi					
	Depth to	Depth to	Volume			T	T				
	Water	Bottom	Removed		Conduct.	Temp.		Odor	Turbidity	Dissolved Oxygen	ORP
Time	(D.T.W.)	(D.T.B.)	(gal.)	pH	(MMHOS/CM)	(°C)	Color	(Y/N)	(NTU)	(mg/L)	(mV)
0749			2.4	6.28	629		brain tint	^ <i>N</i>	Yes	2:11	1052
0750			22.5	6.27	628	8.57	11	N	Yes	2.68	105.4
0750			25	6.27	626	18,59	11	N	Yes	2.67	1058
075	1235		2.6	6.27	626	18.6	11	N	Yes	2.68	106.4
		-	N.W	10.01	UAV	1,04			/3	1	1001
						<del> </del>			-		
			ļ							-	
											1
		Final Same	ole Readings								
		T mai Samp	ne Readings								
Comment	ts:							W	ell l.D.	Ga	llons/ft
·								-	1"		0.04
								_	1.25"		0.06
									2"		0.16
									4''		0.65
				Air	Monitoring	1					
Rla	nk Taken □	Time:		<del></del>		Hnu/PPM	LEL %	6 0-	% 1	1,S/PPM	CO/PPM
	olicate D No.			F			<b>-</b> '	1 -7		-	
Signature	10 1	Mor	<u></u>				1	<u> </u>			
Date:	06 22	06		-							



<b>XX</b> /	الم'	Nia	
w	en	No.	

W_	$I \cap I \cap I$
	ひへん

Date:	06	121	10	6
Mon.	Tues.	Weds T	hurs.	Fri

Site: $AZ^1$	RIFS		_			Λ (	n~					
Weather: $\underline{q}$	Weather: 90's, Surry, humid Project No.:											
Development		Pumped 🔽	/ Bailed	Oth	er:							
Pump Type:	GeoSgr ulation:	yrt_		Bai	iler Type:		110					
Volume Calc	ulation: U	130.4F										
* (Walle the	D.T.W. x vol., t cannot be pu t can be purge	roed dry. 10:	x's the Total	Well Volur	me must b	e purge	1)	ell	Volume		1	
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	Temp		•	Od Y/		urbidity	
1149	74811	3041										
159	101	00111	2									
110/												
	-											
	-											
								******				
·												
Comments:	1	<u></u>			An	nulus	vol./ft.	7	Inside	Diameter	vol./ft.	
						"	0.42	<u> </u>		"	0.04	
					6	5"	1.24		1.	25"	0.06	
*N =	porosity of file	er pack		a.d	8	3"	2.38			2"	0.16	
1	length of filter filter pack (wa	ter level with	iin screen len	igth)		10"	3.85			4"	0.65	
* = .	A 30-minute s 10x's the Tota	urge and p <b>ur</b> I Well Volun	ge before the ne	<b>;</b>	HNu/P	PM LE	EL/% 02/%	Has	S/PPM	CO/PPM		
									·			
Signature:			,, ,, . <del></del>									



è	Well	Purging	and Ground	Water S	Sampling	Form

the Na	TACT stion in Gustomer Ca	љ We	11 No.: P-	<u>ന്മ</u>	Site:	ZRIR	S		Proje	ect No.: <u>C-</u>	1727
ump Type Veather Co Volume Ca	thod: Pun  : Column  onditions: 9  lculations:	nped - Ba 13 - SWAN 304 -	iled   Mid	cropurge	□ C Bailer Type:	other:		······································			
	vol. X 3 = Tota			•	Gals./well ve	ol.:					
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct. (ммнослем)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
302	24.86	30.4					opaque				
333			1,25	6.45	3004	19.15	oraque opaque opaque	N	Yes Vac	¥5:11	31.9
335			1.5	6.47	30/0	19.08	brown tunk Eronstuden Eronstuden		Yes Yes	5.47	23.5
339			≈1.'/   1.8	6.46	3010	19.09	hom bot	. //	Xes Xes	5.74	13,5
340 341			1.9	6.47	3020	19.08	brown tint bandwant	N	Yes Yes	5.74 5.83	9.8
341			≈2	6,48	3027	19.08	tensuor		Yes	5.85	8.7
		Final Sam	ple Readings								
Commen	us: Reman	ed 2 oa	llons From	n wel	10 ~11	<u> 30.</u>		w	ell I.D.	Gal	llons/ft
								-	1" 1.25"		0.04 0.06
								_	2" 4"		0.16 0.65
				Air	Monitoring	1			4		0.03
•	ank Taken □ plicate <sub>k</sub> □ No				i i	Hnu/PPM	LEL %	02	% ]	H <sub>2</sub> S/ <b>PPM</b>	СО/РРМ
Signatur	e: Peath	alco	Λ								
Date: _	06 21	06			10 mm			1			

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NTACT  The Nation in Customer Care

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<u>EN</u>	TACT	æ			·	۸ .	_				
die Ha	INIT IN CUSTOME? CU		11 No.: P-	03	Site:	ZRIF	<u>s</u>		Proj	ect No.: <u>C-</u>	1727
ump Type:	thod: Denri	des									
/eather Col	nditions: <u>40</u> culations: <u>3</u>	55000	-891x	).16=	1.4256x	5=7,1	) <u>R</u>				
	T.W. x gal./ft.:			,,,,,,	1.1000	<u> </u>	<b>X-L</b> /	<u> </u>			
	vol. X 3 = Tota				Gals./well v	ol.:					
					V=						
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp. (℃)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1250	226	21.51						1			
422		Remove	5 gallon	s wa	kr with	6eaS	guirA	first			
43			5.5	56	4666	21.98	clardy	N	Yes	1.00	-623
TH3	B		5.75	5.6	4683	21.53	graybit	N	Yes	0.8	-62.2
1435			5.62 HA	5.62	4691	21.19	doudy	N	Yes.	0.69	-62.5
437			6.1	5,59	4678	20,88	gray find	aN_	Yes	0.58	-60:7
1438			6.2	5.60	4692	20.84	7 //	$\mathcal{N}_{-}$	Yes	0.52	-63
1439			6.3	5.63	4694	20.72	11	$\mathcal{N}$	Ye	0.47	-63.3
1440			6.4	5.62	4699	20,59	//	N	Yes	0.44	-63.5
141		1	76.5	5.63	4696	20.56	1	N	1/25	0.43	-63.7
		Final Sam	ple Readings								
							,				11 /64
Commen	nts:							- <del>  w</del>	ell I.D.		llons/ft 0.04
								_	1.25"		0.06
								_	2"		0.16
	1	}							4"		0.65
				Aiı	r Monitorin	Q					
BI	ank Taken □	Time:			ocation	Hnu/PPM	LEL o	% 0:	2 %	H <sub>2</sub> S/PPM	СО/РРМ
Well Du	iplicate 🏳 No	;.:									
C:	Most	101	mm	<del> </del>	<u> </u>						

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ie Na	ition in Customer Car	r∈ We	ll No.: P-	03	Site:	AZRIF	5		Pro	ect No.: <u>C</u> -	1727
eather Coolume Cal	thod: Pum Pum Pum Pum Pum Pum Pum Pum	Gals./well	lay, humi	d, win	Bailer Type	:					
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pH	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
442 443			6.6		4693	20,59	gray lind	$\nu$	yes	0.4	-64
793 443	J3.03		16.6	5.69	4698	20,58	/*	$\mathcal{N}$	<b>Y</b> es	0.4	-64.4
•											
		Final Samı	ple Readings								
Commen	ts:							w	ell I.D.	Ga	llons/ft
								-	1" 1.25"		0.04 0.06
									2"		0.16
				Δir	· Monitorin	σ		L	4"		0.65
Bla	ınk Taken □	Time:		F	ocation	Hnu/PPM	LEL %	6 0 <sub>2</sub>	0/6	H <sub>2</sub> S/PPM	СО/РРМ
Well Du	plicate No.	alco	 τ ΛΛ								
Date:	06 21	06	×.!-\-	-	To the state of th						

	and the same of th
	ENTACT
Le	he Nation in Customer Care

La the Na	Mion in Customer Ca	nre			· 1	100T	-				
		We	ell No.: Mh	1-24	Site:	AZKJ	-10		Proj	ect No.: <u>C</u>	-172'/
The state of											
Purging Me	thod: 🗗 Pun	nped ,□ Ba	ailed 🗆 Mi	cropurge	: 0	Other:					
Pump Type	: Geosgy	ut 46	eorumpa	-	Bailer Type	e:					
Weather Co	nditions: W	pex 80's.h	umid, su	MU							
Volume Cal	culations:	18.93 -	16.2 XO.1	6=0	<u>,4208×</u>	5=2.10	14				
(D.T.B D	T.W. x gal./ft.	= Gals./well	vol.)			•					
(Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well	vol.:		···			
Branch .	to casa	atoo									
т:	Depth to Water	Depth to Bottom	Volume Removed		Conduct.	Temp.		Odor	Turbidity	Dissolved Oxygen	ORP
Time	(D.T.W.)	(D.T.B.)	(gal.)	pН	(MMHOS/CM)	(°C)	Color	(Y/N)	(NTU)	(mg/L)	(mV)
1000	16.3	18.93				<del> </del>	Sanda			<u> </u>	
1004			0.75	With	60050	wit	DKOWK				
1013			2	6.53	16090	18.85	Ermsluan	* N	Yes	1.53	83.8
			1.1	6,54	1604	18.83	dear	$\mathcal{N}_{i}$	Yes	1.16	75.5
1074			≈1,2	6,55	1602	18.73	door	N	Yes	0.98	70.0
1015			1.4	6.56	1602	18,57	clear	Μ	1/es	0.8%	65.7
1016		/	71,5	6.56	1607	8.37	clear	N	Ve<	0.76	61.4
1017			1.6	65	71606	18.35	clar	Ň	Yos	0.66	47
1018			1.75	6.57	1607	18.31	clar	N	Ves	0.6	53/
1019			E . 9	657	100	18.17	clear	NI	Ves	0.54	49.3
1				0~1	INIX	10.17	ces	10	160	10,01	11.0
		Final Samp	le Readings								
Comment								W	ell I.D.	Gal	lons/ft
<u>sana</u>	in base of	cell at	erupord					-	1"	(	).04
			···					- 1	1.25"		0.06
								_	2"		0.16
casa 16.2	16.7		Casina						4"	(	0.65
<b>V</b> - ,	/ 10. /	48.84 / 18.	93 /	Air	Monitoring	2					
Blan	ik Taken 🗆	Time:	·····		1	Hnu/PPM	LEL %	6 0,	% I	1,S/PPM	CO/PPM
Well Dup	licate 🗆 No.:		****					-   -		-	
Signature:	fleather	> alon	1							[	
Date:	46 22	06				·	<u> </u>				

Elizabili	_
ENTACT	
he Nation in Gustomer Care	

Le The Nat	IACI tion in Gustomer Ca	r∈ Wei	11 No.: Mh	1-24	Site:	AZRIF	S	······································	Proje	ct No.: <u>C-</u>	1727
Pump Type: Weather Con Volume Cal D.T.B D.	hod: Pum  hoditions: 80  culations:  T.W. x gal./ft.  vol. X 3 = Tota	= Gals./well v	humid		Bailer Type	Other: e: vol.:					
Time  020  021  022  023  025	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)  2  2  2  3  5  2  5  6  Cole Readings	pH 6.57 6.58 6.58 6.58	Conduct. (MMHOS/CM)    610   613   608   608   614   618	8.23 8.09 8.20 8.34	Color clar clar clar clar	Odor (Y/N) N N N N	Turbidity (NTU) Yes Yes Yes Yes	Dissolved Oxygen (mg/L) 0.49 0.44 0.43 0.47 0.4	ORP (mV) 45.3 41.2 38.6 33.5 32.3
Bla	ink Taken Dicate No	Time:		Air	Monitorin ocation	ng Hnu/PPM	LEL %		/ell 1.D. 1" 1.25" 2" 4"		llons/ft 0.04 0.06 0.16 0.65



Well No. MR 24

Date:	06	12	010	6
Mon.	Tues.	Weds.	Thurs.	Fri

Site: OAZR.	ofs fa	irmont Co	Ly, IL									
Weather: 8	05,5mm	щ	<u>J.</u>	Pro	ject No.: _	<u> </u>	$17_{o}$	27_				
Development	Method:	Pumped 🔽	Bailed	Oth	ner:							_
Pump Type:	GeoRuna	2		Bai	iler Type:							
Volume Calc	ulation:	9.2-17.8	1)x 0.16=		10 x5=	0.4	17	81.	152	1.116	)	
(D.T.B. – 1	D.T.W. x vol.	/ft. = PVC/w	ell volume) +	0.2224 - (N* x H*	ተ ፡፡ x Annulus	∦, vol./ft	A. .) = To	otal We	ll Volun	ne		1.1
* (Wells that	t cannot be put t can be purge	rged dry, 10:	x's the Total	Well Volur	ne must be	purge	d)					
	Depth to	Depth to	Volume		at sarging		<del>,,</del>		T			٦
Time	(D.T.W.)	Bottom (D.T.B.)	Removed (gal.)	pН	Cond.	Temp	).	Color		Odor Y/N	Turbidity	,
1123	17.81	19.2					_					7
Add	d Jallon	% 1132	to well	>used	dodicale	d baile	- 40	- Pma	10 10 10	alex		1
Adde	li 1.)	11 - ^	1410 /	11	used de		11				ماهاد	7
Alla	1 13 116	1000	11170 60		1.1	1,	11	4	11	ove W		$\dashv$
haa	n Igawar	H30 60	1192 to	11	used di	1 1.	ta b	1 1 ./	7	nove w		-
Haas	a lan	1 000	1954	1	>used	ardic	ated	. 1	1		water	-
Fidde	d laalle	n H200	1202-1		->USla	1 1,	$\overline{}$	1.	7			_
Adde	d Igallon	H206	1209 F	b well	rused	dedi	alec	2 bail	er to	remov	emoter	
<b>A11 A</b>	1 11 5	PIL	oder re					1	<del> </del>			_
Hoded	gallon	H20@	1215 to	well-	used	redic	alch	baile	1-60 r	emore	water	_
	doudy,	brown w	oder rem	eved, ce	asedac	tivit	40	223	due to	contin	wed cla	idhes
Comments:	whitsedin	nent on di	dicated ba	iler	Ann	uius	voi./	ft.	Inside	Diamet	er vol./f	
light gra	y sediment.	, soft ho	tom	<del></del>	4'		0.4	2		1"	0.04	
	<u> </u>				6'		1.2	24	1	.25"	0.06	
*N = pe $*H = 1e$	orosity of filte	r pack pack or leng	th of saturate	d	8'	'	2.3	88		2"	0.16	
fil	ter pack (water 30-minute su	er level withi	in screen leng		10	)"	3.8	35		4"	0.65	
	)x's the Total				HNu/PP	M LE	_/% C	)2/% H:	S/PPM	CO/PP	M	
Simple of	- Joette	MA										
Signature:	Fleather	murvi										
	-											
							1		***************************************			

### Well Development (Must Have Well Construction Diagrams)



Well No. MW-29

Date: 06 /20 /06

Mon. Tues. Weds. Thurs. Fri.

Site: AZRIFS								
		Pro	oject No.:	<u> </u>	727			
Development Method: Pumped	Bailed	_	her:					
Pump Type: 60Pump 2		Ba	uler Type:					
Volume Calculation: (18.3-16.5	25) × 0.06	=0,123	3	0.12	$3 \times 5^{=} 0.$	615	5 14 15	
(D.T.B. – D.T.W. x vol./ft. = PVC/ * (Wells that cannot be purged dry, 1 (Wells that can be purged dry, slow	Ox's the Total	Well Volu	me must b	e purgeo	1)	ll Volume		
Depth to Water Bottom Time (D.T.W.) (D.T.B.)	Volume Removed (gal.)	pН	Cond.	(*e) Temp	) Color	Odor Y/N	Turbidity	
1017 16.25' 18.30	(AU) 0.6							Added Igal Harto well
1044	1.5	5,53	281	22.7	light	N	Yes ~	lia
1045	1.6	5.8	1015	20.2			Yes 2	Added loal. Hattowell
1052	2.1	14.9	84	22.9	7 Veryligh	* N	1/25	Haotowell
1054	12.4	5.55	245	22,	7 Very light	. 10	Yes	
1056	2.5	5.9	1070	20,7	Very li	phil N	Yes	
100	125	6.05	1687	20.5	1 clouds	N	Yes	
1102	2.5	6.01	1586	19.80	Coro	N	Yes	7.0.22 0.01.8
1103	2.6	6.04	1637	119.0	_	1	Yes	1
1104	2.6	6.09	1826	118.7	9 cloudi	JIN	Yes	D.0 1.48
Comments: soft bottom		······································		nulus	vol./ft.	Inside Diame	ter vol./ft.	
orange rust sediment				."	0.42	1"	0.04	
*N = porosity of filter pack				"	1.24	1.25"	0.06	
*H = length of filter pack or ler					2.38	2"	0.16	
filter pack (water level with a A 30-minute surge and put	rge before the	gth)	\	0"	3.85	4"	0.65	<u>]</u>
10x's the Total Well Volu	me		HNu/P	PM LEL	./% 02/% H:	2S/PPM CO/PI	'M	
Signature: Scatto Al	any							-
$\mathcal{O}^{+}$	•							
								-



Well Development (Must Have Well Construction Diagrams)

/ell No. M	E29	>							_			/06 Thurs. Fri.	
evelopment	RIFS 0's, shar Method: 6eoPum	Pumped []	Bailed	☐ Ot	oject No.: _ her: uiler Type: _								
olume Calcu	lation:												• •
(Wells that	cannot be pur can be purge	rged dry, 10 d dry, slowi	x's the Total y removing w	Well Volu	me must be	DULG	ed)	1 Otal	well vo	um	e		
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Cond.	(°( Ten	-)	Col	or		dor /N	Turbidity	
1106	7 - 17		≈2.8	6.16	2043	18.	<i>5</i> 7	cl	ear	1	)	No	D.O.
1107			~2.85	6.19	2140	18.	44	d	lat	٨	/	No	D. o.
1108		(1	≈3.I	6.23	2170	8.	32	de	ar	/	V,	No	D. O.
1109	16.17		×3.	6.24	2175	18.	32	u	ear	٨		$N_0$	D.O.
									-		-		1
		-											1
													<u> </u>
omments:					Annu	ilus		i./ft.	lns		Diameter		
					4"			).42			"	0.04	-
*N = po	rosity of filter	pack			6" 8"			.24			25"	0.06	-
*H = len	gth of filter per pack (water	ack or lengt			10'	,		2.38	_			0.16	-
* = A3	80-minute sur	ge and purg	e before the	ы <i>! ј</i>	HNu/PPN	7		02/9	110 C WD		."  CO/PPM	0.65	<u> </u>
ignature: 🚽	Poall	~ 00 or	~ } 44		I I I I I I I I I I I I I I I I I I I	1 1	ا €/ الله	02176	1123/PP	IVI	COIFFINI		-

The state of the s		MONITORING WELL INSTALLATION DIAGRAM  OATE: 6/20/06 WELL NO. MW-0/  PROJECT NO. C1727 TARISER ELEV  GRO SURFACE ELEV
	OAT. R	1 = 6/20/06 WELL NO. MW-0/
1. 1.1622	SITE:	· DAIL:
St W 1719	84: 1144	PROJELS NV
Shrillo	9	A 150
	TYPE	ISBATE TIVE CASING
GLARD POSTS	LENGTH	Company of the second of the s
		TYPE STAND PITE VENTED  DIAMETER #1  LENGTH 54  KEY*
		LENGTH SET
		PLUC TYPE
		VENTED: YES/NO TYPE
		CONCRETE PAD/COLLAR
	2 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14	
		MANUFACTURER GOTTOSE JOS. + WATER gol
	A CONTRACTOR OF THE PROPERTY O	III) I CILANTITY
		II I LIO CNTPAINED TEXTING
		SEAL MANUFACTURER GOI
	A CONTRACTOR OF THE PROPERTY O	POWDER/GRANULAR/PELLETS QUANTITY go! HYDRATION START FINISH
		PIPE TYPE PUC  O.D. 2 MANUFACTURER MONEY  SCHEDULE 10
	BOOKH I STORY TO STOR	MANUFACTURER MONTELEX
	and the second s	D.D. SCHEDULE 40  I.D. SCHEDULE 40  I.D. NG. OF SEC.  TO NG. OF SEC.  TO NG. OF SEC.
	(Lacronyman) of production (Control of Control TO STENGTH TYPE BENTONITE HOLE PLUG	
Control of the second of the s	Application of the control of the co	PIS CEMENT TYPE DENTONITE IDS. +
Contractions of them.	Bujovenijansvidi Botovenijansvidi I	CEMENT GOI. YIELD
	and the second control of the second control	WATER QOI. MANUFACTURERS
		101176
		FLUSH THREADED COUPLED TEFLON TAPED YES/NO C-BING
	M	TEFLON TAPED YES/NO 0-BING
		MANUFACTURER MA TOFIEY
3		BENTONITE SEAL POWDER/GRANULAR/PELLETS QUANTITY 90
		HYDRATION START FINISH
	Endest Anticon	APPROX WATER TABLE ELEVATION
	Valuation (Valuation)	E NIL OVERNO CRAVEL FILTER PACK
	[0]	E X CONSULPCE ATTL SAND (NST) JO THE
		H C VOLUME 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	phicked are	SCREEN NC SLOT SIZE 6.010
	edit (St. dy e de la constant de la	
		SCHEDULE #S
		MANOFLEY
		LENGTH/FER SECNU. DE SEC.
	-c causer	FLUSH THREADED PLUG
NOTES: WATE	N SVUNEL	MATERIAL

Start: 1343	FAIER COE MONITORING WELL INSTALLATION DIAGRAM  SITE: CITY DATE: 06/19/06 WELL NO. MW-02:  BY: MLG PROJECT NO. C172-7 T/RISER ELEV  GRO SURFACE ELEV
GUARD POS'IS	TYPE PROTECTIVE CASING
CUANVIVE TELE	DIAMETER TYPE STANDPIPE VENTED
	DIAMETER TYPE STANDPIPE VENTED LOCKED LOCKED KEYS
	LENGTH 5-17
	PLUG TYPE J-PLUG
	PLUC TYPE VENTED: YES/NO TYPE
	CONCRETE PAD/COLLAR
	MANUFACTURER Ibs.+WATERgol
cuttings []	
	AIR ENTRAINED TEST PURE GOLD  SEAL MANUFACTURER PURE GOLD  POWDER/GRANULAR/PELLETS QUANTITY
	POWDER/GRANULAR/PELLETS VONISH HYDRATION START FINISH
	HYDRATION START
	MANUFACTURER MONOPUEZ
	i.c. Z SCHEDULE TO NO. OF SEC. 2
	LENGTH/PER SPEC.  Benfonite chips  GROUTTYPE Benfonite chips
12	GROUTTITE IDS. + GENTONITE IDS. +
Supplied and suppl	CEMENTYELD
	WATER GOLD
Special Company of Company	
	FLUSH THREADED COUPLED COUPLED SEAL
	FLUSH THREADED COUPLED TEFLON TAPED YES/NO O-RING SEAL MONOFLEX
Application of the second of t	MANUFACTURER
	BENTONITE SEAL 3/6 POWDER/GRANULAR PELLETS QUANTITY GOI
	HYDRATION START TABLE ELEVATION 15.0
	THE PACK TYPE(S)
ID	SOURCE GLOBAL FILTER #5 SANGE
	SOURCE 500 15 6 hg (6 hg)  VOLUME 500 15 6 hg (6 hg)  VOLUME 500 15 6 hg (8 hg)
	TYPE PYC SLOT SIZE O. 0.78 NO. SLOTS/IT.
	The state of the s
	MOND FLEX
	FNCTH/PER SEC. 10
U WIP	THEFADED PLUG
NOTES: WAT	ER SOUNCE SAND
and the second s	and does to be called shelly Thee 1-3.2

hand dung to 1.0', Collect Shelby Thise 1-3.5

COE MONITORING WELL INSTALLATION DIAGRAM MW-03. SITE: FATEMONT DATE: 06/19/06 WELL NO. MW-8

BY: MLG PROJECT ND. C/727 T/RISER ELEV GRO SURFACE ELEV act: 1522 PROTECTIVE CASING TYPE STANDPIPE VENTED GUARD POS'IS LENGTH DIAMETER 4-1M LOCKED KEYS DIAMETER\_ PLUG TYPE J-PLUG VENTED: YES/NO TYPE CONCRETE PAD/COLLAR MANUFACTURER A QUANTITY CEMENT \_\_\_\_\_ IDS.+WATER \_\_\_\_\_ QQI TOTAL QUANTITY \_\_\_\_\_ gal. cultions 131 AIR ENTRAINED YES/NO SEAL MANUFACTURER PURE GOLD POWDER/GRANULAR/PELLETS QUANTITY \_\_\_\_\_\_ gol HYDRATION START\_\_\_\_\_FINISH\_\_\_\_ PIPE TYPE AVC O.D. \_\_\_\_ MANUFACTURER MONOFLEX

I.D. \_\_\_ SCHEDULE \_\_\_\_\_\_\_
LENGTH/PER SPEC. \_\_\_\_\_\_\_ NO. OF SEC. \_\_\_\_\_\_\_ GROUT TYPE BENTONITE CHIPS 75 CEMENT \_\_\_\_ IDS. + BENTONITE \_\_\_\_ IDS. + WATER SOI PURE GOLD MANUFACTURERS 1,50-15 6A 6

FLUSH THREADED COUPLED

TEFLON TAPED YES (NO) O-RING SEAL

MANUFACTURER ACADELEX BENTONITE SEAL 3/8
POWDER/GRANULAR/PELLETS QUANTITY \_\_\_\_\_ gol. BENTONITE SEAL HYDRATION START FINISH 16.0 SAND/GRAVEL FILTER PACK TYPE(S) SOURCE (360BAL FILTER #5

VOLUME 3015 IND (4,5 5AM)

SCREEN Y8011 SPACING 3 ROWS /5/0 /5

SCREEN SLOT SIZE 0.0(0

TYPE NO. SLOTS/114

O.D. SCHEDULE 40

I.D. SCHEDULE 40

I FNOTH/FFR SFT 10 NO FLEX SOURCE GLOBAL FILTER #5 LENGTH/FER SEC. 10 NO. OF SEC. 1 23'10 FLUSH THREADED PLUG NOTES: WATER SOURCE slug to approx. 45'lys, shelly the 6-75'high

			HONITORING WELL INSTALLATION DIAGRAM
	ad Facilities	UL.	MONITORING WELL INSTALLATION DIAGRAM  DATE: 6-20-06 WELL NO.  DATE: 6-20-06 VELL NO.  TRISER ELEV
		SITE: LITT	PROJECT NO. C1727 T/RISER ELEV
		BY:	PROJECT NO
1/35	" LICA	Start 0720	End 08 10 GRO SURFACE ELEV
590000		TYPE	PROTECTIVE CASING
G	UARD POS'IS	LENGTH DIAMETER	VENTED VENTED
		VIAME I CT.	PROTECTIVE CASING    TYPE VENTED  LOCKED  DIAMETER KEY®
			DIAMETER LOCKED KEYS
			PLUG TYPE  VENTED: YES/NO TYPE
	A CALIFORNIA (*) CALI		CONCRETE PAD/COLLAR
•		3	CONCRETE TADY CONCRETE TADY
			MANUFACTURER Ibs.+WATERgol
		A CONTRACTOR OF THE PROPERTY O	
			III I CLTDAINEI ILS///
			SEAL MANUFACTURER
			///POWDER/GRANULAR/PELLETS GUANTI
		gapendarense gar	HYDRATION START
		Spanishe Spanishe California	HYDRATION START FINISH  PIPE TYPE PVC -2-10 Sch. 40.  MANUFACTURER  O.D. SCHEDULE  I.D. NO. OF SEC.  LENGTH/PER SPEC. NO. OF SEC.  10/15 GROUT TYPE BENTONITE Hole Play.  1.5.
		-	SCHEDULE SCHEDULE
	and the state of t	Accomplete statement of statement	LENGTH/PER SPEC.
	32	ggjan e dynami e e	to 1.5 GROUT TYPE Penton, Te Hole Plag.
	19.5	, , , , , , , , , , , , , , , , , , ,	
			WATER goi. YIELD
		and the state of t	
		Las copposited del	FLUSH THREADED COUPLED COUPLED
		· //	TEELON TAPED TESTON
	and the same of th		MANUFACTURE!
	1		BENTONITE SEAL POWDER/GRANULAR/PELLETS QUANTITY gol-
			POWDER/GRANULAR/PELLE FINISH HYDRATION START FINISH Let at to 19
		of the second	POWDER/GRANDLAND FINISH HYDRATION START  APPROX WATER TABLE ELEVATION WE at to 19  TO START  APPROX WATER TABLE ELEVATION TYPE(\$)
	a a district	Lagrand Marie	APPROX WATER TABLE ELEVATION WE AT TO 19  SAND/GRAVEL FILTER PACK TYPE(S)  SOURCE SHANTS Sand (NSB) (50 T) 15
			SOURCE SUMS Sand WEB (50 4) 6
			VOLUME
		4	TELL COSEN
	100	and received (PA)	
	A property of the second		O.D. STEEDULE The
			and the second s
	The second secon	Land Control of the C	FNGTH/PER SEC.
			S" FLUSH THREADED PLUG
	HOTES: W	L'ER SOURCE	
	Shrlb	u Time Limit	LA Falling
	(a) 0	2-10.5	
	-		

	SITE: AT	MONITORING WELL INSTALLATION DIROCKS  DATE: 6-20-06 WELL NO.  PROJECT NO. C(1727 T/RISER ELEV  GRO SURFACE ELEV
Start 0820 En	1.0918	GRD SURFACE ELEV
	YPE ENGTH	PROTECTIVE CASING
GUAIL T	DIAMETER	TYPE STANDIPE VENTED  TYPE STANDIPE VENTED  DIAMETER 4-10 LOCKED  KEY*
		DIAMETER 4 (N) LOCKED
		PLUG TYPE TYPE TYPE
Annual of the state of the stat		
	3 3	CONCRETE PAD/COLLAR
		MANUFACTURER IDS.+WATER
TAL TAL		TOTAL QUANTILYES/NO
+		SEAL MANUFACTURER GOI
5		I A CONTRACT ARE TO COMMITTED T
	A CONTRACTOR OF THE CONTRACTOR	PIPE TYPE PYC
	ggggh, gas another	C.D. SCHEDULE 40
and the state of t		POWDER/GRANDLE FINISH HYDRATION START FINISH HYDRATION START FINISH  PIPE TYPE PV C  O.D. SCHEDULE FO  SCHEDULE FO  I.D. NO. OF SEC.  TO 1.5 GROUT TYPE BENTUMTE HOLE PLUB  IDS. HEENTONITE LIDE
26	e de la companya de l	GROUT TYPE LEENTONITE Ibs.
	gualpe and and de and and and and and and and and and and	GG:
	ground Name	MANUFACTURERS COURLED
		FLUSH THREADED COUPLED TEFLON TAPED YES (NO O-RING)
		TEFLON TAPED TO MANUFACTURER
	2	BENTONITE SEAL POWDER/GRANULAR/PELLETS QUANTITY FINISH
	Australia	E LYDRATION STAR 73 09 78
	An interest of the second seco	HYDRATION START  ZO.99 APPROX WATER TABLE ELEVATION 23.09 TO  SAND/GRAVEL FILTER PACK TYPE(S)  SAND/GRAVEL FILTER PACK TYPE(S)  SOFT DOLLARS
	10	SAND/GRAVEL FILTER SOUSE) 504 bay
	and the second s	E VOLUME 7 6445
	a year anno mando	SCREEN SLOT SIZE 0.0(0"  TYPE PVC SLOT SIZE 0.0(0"
	Section Consister of the Constitution of the C	SCHEDULE 40
	1	MANUFACTURER MONOFLEX  MANUFACTURER NO. OF SEC.
Agentum of hand and also apply the agentum of the a		LENGTH/PER SEC. 10 NO. DE SEC.
NOTES: WATE	ER SOURCE	MATERIAL

	THE TALL ATTON DIAGRAM
!	COE MONITORING WELL INSTALLATION DIAGRAM  START: 0718 SITE: 047 R1 DATE: 6/21/06 WELL NO. MW-06.  START: 0718 BY: MLG PROJECT NO. C1727 TARISER ELEV  STAP: 0740 0753  GRO SURFACE ELEV
s.	047 RI DATE: 6/21/06 WELL NO.
	Start: 0/18 SIE: MLG PROFILING C/72/ TARISER ELEV
	GRO SURFACE ELEV
	5701.0110.013
	TYPE
	DIAMETER TYPE STANDING VENTED TO LOCKED TO LOCKED TO KEYS
	I ENGTH DET
	1-11/3:11/0 0000
	VENTED: YES/NO TYPE
	THE GOVERNMENT PAD/COLLAR
	MANUFACTURER QUICKUPETE  OUANTITY CEMENT
	QUANITITY gal.
	AIR ENTRAINED YES/NO
	SEAL MANUFACTURER  POWDER/GRANULAR/PELLETS QUANTITY
	PIPE TYPE TYPE MONOFLEX
	PIPE TYPE NC  O.D. Z MANUFACTURER MONOFLEX  O.D. SCHEDULE 40  I.D. NO. OF SEC. 2  LENGTH/PER SPEC. 10 NO. OF SEC. 2  LENGTH/PER BENTONITE HOLE PLUG
	I FNGTH/PER SPEC. 10 NO. OF SEC.
	LENGTH/PER SPEC. 10 HOLE PLUG  THE GROUT TYPE BENTONITE HOLE PLUG  TO GROUT TYPE BENTONITE 165. +
	DE TENTO
	IN THE MANUFACTURERS
	JOINTS COUPLED COUPLED FLUSH THREADED VESTED OF PLUS AN ANALYSIS Y
	FLUSH THREADED YES ING O-RING MONOFLEY
	A PANIFACTURER
	POWDER/GRANULAR/PELLETS GUARTING
	HYDRATION START TABLE ELEVATION 17.0  (APPROX WATER TABLE ELEVATION #5 97 A 171
	SOURCE QTZ SAND (NSF) 50# 6 ags
	I VOLUME // SAME
	SCREEN SLOT SIZE 0.010"  TYPE 170 No. SLOTS/11: 45
	TYPE 1VC SLUTSIZE NO. SLOTS/TT: 45
	SCHEDULE 1
	MANUFACTURER MONOFLEX  LENGTH/PER SEC. 10 NO. OF SEC. 1
	LENGTH/FER SEC.
	NOTES: WATER SOURCE
	NOTES: WATERIAL

==			7.300	NI ATTON NIA	GRAM	
		COE MONITE DATE	ORING WELL INST		MW-07.	
		E: WAZRI DATE	: 420 06	Mil Mis -		
	ut: 1116 BY:	MUG PRO	et no. Cit-L	T/RISEK ELEV	: 8 <sup>n</sup> 31	(
str	Stop: 1203	) mazzettyazzysancom		URD SURFALE E	LEV	迎(
atense				and the second s		\$ - 1
Ī	JUARD POS'IS TYPE		PROTECTIVE CAS	SING I		/ 0 . / 1
h	T DIAM	ETER	TYPE STANDERPE	VENTED		
			TYPE STANDEIPE DIAMETER 4-IN LENGTH 5-FT	KEY S		paragraphics.
	Comment of the Commen	上川芸队	LENGIH	nilla		
		=	-PLUG TYPE	7,600		
			VENTED: YES			
		-17:11 10		-CONCRETE F	AD/COLLAR	
						, as, gra }
			\$		S. +WATER	man Salahari 2
		Average of the state of the sta	TOTAL QUANT	VEC/NO		
			The same of the sa	ATIBEE VIII	1NG5	
			SEALI MAINI A	IL AR/PELLETS	OUANTITY	got
		A CONTRACTOR OF THE CONTRACTOR	HYDRATION ST	ART	FINISH	
			PIPE TYPE	NU	TURER MONOFLE E 40 NO OF SEC. 2	EX_
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	ammed and the second se		L.C. ENCTH/PFR	SPEC. 10	NO. OF SEC. Z	The state of the s
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	- Commenter of the Comm		Annual Control of the	ine - ht	4   Ola > > =	
	-		UEMER!	901. m./	YIELD PURE	50CD
		1 12	MANUFACTUR	ERS 2,5015	GRAY PURE	
			JOINTS		COUPLED O-RING JIO FLEY	
			THE FLUSH THE	EADED VES / NO	10-RIN/2	
			TEFLON TAI	RERAAAA	DOFLEY	A CONTRACTOR OF THE PARTY OF TH
	Å	22	1.4.			
					ETS QUANTITY	QC1 ~
			HYDRATION	START	- FIRIST 20.	0
			APPROX W	ATER TABLE	FINISH 20.	
			1875AND/GRA	VEL FILTER F	ACK TYPE(S) 5	115 545
			SOURCE_G	yartz sa		= $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$
	As a supplement of the supplem		VOLUME_			
			SCREEN	<i><b>ਐ</b>()</i> SI	OT SIZE 0.01	<u> </u>
			O.D. Z	NO	OT SIZE	<u> </u>
			- I.D	F 51	CHEDULE TO ONOFLEX	
16 Blo-	**************************************	5H	1 271.0 MANUFAC	TURER MI	NO. OF ST	5C.1
	The second secon	X1/	LENGTH/	PER SEVI	A STATE OF THE PARTY OF THE PAR	
	NOTES: WATER S	OURCE		HREADED PLU		
	NUIESE MA EN E		MATERI	A. Las		
			•			

	MONITORING WELL INSTALLATION DIAGRAM  DATE: 06/20/06 WELL NG. P-0/  PROJECT NO. C1727 T/RISER ELEV  GRO SURFACE ELEV  DATE: DOTECTIVE CASING NONE
	1001100110 106 FIL NG. P-01
SITE: VAL	DATE: 1/727 TRISER FLEY
BY: MLG	PROJECT NO. CONTRACTOR FLEV
Start: 1900 Shop: 1536	UKU SUNTACE EDE.
	and love
GLIARD POSTS LENGTH	PROTECTIVE CASING NONE
T DIAMETER	TYPE VENTED LOCKED LENGTH KEYS
	DIAMETER KEYS
	PLUG TYPE TYPE TYPE
	AEMIEDS
	CONCRETE PAD/COLLAR
	MANUFACTURER IDS.+WATER
	MANUFACTORES - IDS. + WATER
	AIR ENTRAINED YES/NO SEAL MANUFACTURER
	TEN AD /DELLETS QUANTILL
	POWDER/GRANULAR/PELLETS ODANTHE FINISH
	DIPEL TYPE PUC MONTELEX
	MANUFACTURES MONOTON
	I.D. SCHEDULE NO. OF SEC. 2
	POWDER/GRANULARY ELLE FINISH HYDRATION START  PIPE TYPE PVC  O.D. WANUFACTURER MONOPLEX  O.D. SCHEDULE TO  I.D. SCHEDULE TO  I.D. NO. OF SEC. 2  HOLE MUS  GROUT TYPE BENT HOLE MUS  IDS. +
	1   = 22   GROUT   1   1   1   1   1   1   1   1   1
	CEMENT GOI . PURE GOLD
	WATER PURE GOLD
	JOINTS COURTED
	TI IV/1 (TEELON TAPED YES/ROY U- AMA
	MANUFACTORES
1 3	BENTONITE SEAL POWDER/GRANULAR/PELLETS QUANTITY gol -
	THE TABLE FLEVALION
	EI NES PACK TYPES
10	SOURCE GIZ Cand
	SOURCE STEEL SOURCE VOLUME
As a property of the state of t	
	SCREEN NO SLOT SIZE 0.000
	TYPE NO. SLOTS/11. PS  O.D. Z SCHEDULE 40
1	MANUFACTURER MONOFIEX
1	MANUFACTURER WIDNOT CO. NO. OF SEC. /
mace-wareful accommission areas discovers—	-FLUSH THREADED PLUG
NOTES: WATER SOURCE	
2 Table 3 Days 100- ggs-chamache meetige-chamache and the chamache and the	MATERIAL

	Sheet of
COT MONITORING WELL	INSTALLATION DIAGRAM
ONT RI WE. 42/16	INSTALLATION DIADRATI  VELL NO.  Z TURISER ELEV
	Z
Start 1336 stop 1358	GRO SURFACE ELEV
	MONE
GUARD POS'IS LENGTH PROTECTIVE	CASING NONE
DIAMETER TYPE	KEA.*  KEA.*
I I I I I I I I I I I I I I I I I I I	YES/NO TYPE
VENTED:	YES/NO TYPE
	CONCRETE PAD/COLLAR
LAANIE ACT	URER
I DUANTITY	JANTITY JES AND
SEAL MA	ANUFACTURER
POWDER!	GRANULAR/PELLETS QUANTITYQOI ON STARTFINISH
DIRECT	YPE PVC
0.D.	GRANULAR/PELLETS OUTSTAND START FINISH  YPE PVC  MANUFACTURER MONOPLEX  SCHEDULE 40  /PER SPEC. 10 NO. OF SEC. 2  TYPE BEALT: HOLE PLUG
i.D	PER SPEC. 10 NO. OF SEC.
75T TOROUT	TYPE BENTT: HOLE PLUG
	LE - EFNTONITE
M4.2 TT-	99: ~ ~ ~ ~ ~ ~
MANUF	ETURERS \$ 50 # 395
FILISH	S COUPLED COUPLED
TEFLO	STHREADED COUPLED COUPLED OF CINE
MANUT	The second secon
1 1 17 10 EUNU	ER/GRANULAR/PELLETS COATT
: , ; 2 : 1 <u>December 2</u> : 1	ER/GRANULAR/PELLETS COARTS ATION START FINISH OX WATER TABLE ELEVATION 22.3/
APPR	DIGRAVEL FILTER PACK TYPE(S)
TO E SOUR	RCE QUARTZ SAND (NSF) 50# bags
APPR APPR SOUR VOLL	33.3
	REEN 0.916
TYP	E NO. SLOTS/TI. 40  SCHEDULE 40
21.0 L.D.	LEC EX
MAI 1	NUFACTURER MONOFLEK NGTH/FER SEC. 10 NO. OF SEC. 1
	NG INVERT

NOTES: WATER SOURCE

TLUSH THREADED PLUG

WATERIAL

the state of the s		ONITORING WELL INSTALLATION DIAGRAM
The state of the s	COE M	ONITORING WELL TO THE PROPERTY OF THE PROPERTY
	ETTE DAZ RI	DATE: 0/40/06 WILL NO.
	MLG	PRIETT NO.C. 1721 TRISER ELLEV
1 AA	BY: 1020	GRO SURFACE ELEV
Start: 0934 en	N. 1054	ONITORING WELL INSTALLATION DIAGRAM  ONITORING W
	TPE	PROTECTIVE CASING
GUARD POSTS	ENGTH DIAMETER	VENTED
		NIMETER LOCKED
		PROTECTIVE CASING    TYPE VENTED LOCKED LOCKED LENGTH KEYS
		VENTED: YES/NO TYPE
		VENIED:
		CONCRETE PAD/COLLAR
		MANUFACTURER Ibs.+WATERgol OUANTITY CEMENTgol
	Markensanana Markensanananananananananananananananananana	QUANTITY CEMENT ggi.
		I I LACITEANED LOCATION OF THE STATE OF THE
		SEAL MANUFACTURER
		SEAL MANUFACTURER  / S POWDER/GRANULAR/PELLETS QUANTITY GOI  FINISH
	Back to an an an an an an an an an an an an an	POWDER/GRANULAR/PELLETS OUTNITTED
	American vores	PIPE TYPE PC  O.D. SCHEDULE FO  I.D. SCHEDULE FO  LENGTH/PER SPEC. 10 NO. OF SEC. 2  TO SCHOOL HOLE PLAGE  TO SEC. 2  TO
	Company of the Compan	O.D MANUFACTURER TO
	The second secon	1.D. SPEC SPEC 10 NO. OF SEC.
24	-	1 4 5 LENGIHITER Bentonike Hole Plug
64	Company of the Compan	TO S'LENGTH/PER SPEC. 10 NO. OF SEC. 1615 LENGTH/PER SPEC. 10 NO. OF SEC. 1615 LENGTH/PER SPEC. 10 NO. OF SEC. 165. + GROUT TYPE Bentonike Hole Plng. 165. + GEMENT 165. + GEMENT YIELD
grand compression of the state	each population of the second	CEMENT QOI. YIELD
	result revenuedo	WATER
	Committee Control	
	SAME PROPERTY AND THE P	JOINTS COUPLED COUPLED COUPLED COUPLED
		TEFLON TAPED YES/NO O-RING
	. (4)	FLUSH THREADED YES/NO O-RING  YES/NO O-RING  MANUFACTURER  SEAL
	3.5	BENTONITE SEAL POWDER/GRANULAR/PELLETS QUANTITY QOI
		POWDER/GRANULAR/PELLETS QUANTITY go!  HYDRATION START FINISH 19.60'
	Total and the second se	
	And the second of the second o	APPROX WATER TABLE ELEVATION
	an experience of the second state of the secon	SOURCE (MANY) SOURCE (MANY) SO # 5 R MY
		SOURCE Chartz Jana
	Assessment of the Control of the Con	VOLUME
	- Paragraphic and a second and	SCREEN SLOT SIZE 0.010
		HI I " NO SLUIS/14
ed	Customer and the second	SCHEDULE 40
· · · · · · · · · · · · · · · · · · ·	TO	MANUFACTURER MONOFLEX
	å	LI FNGTH/FER SEC.
		-TINC-FLUSH THREADED PLUG
NOTES: WAT	ER SOURCE	MATERIAL
Shelps.	Tube 10 19	See 5 May 2
Sat	- Zone.	

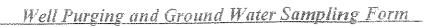
# APPENDIX C-5 GROUNDWATER SAMPLING LOGS





Date: 07:06:06

IN no Na	TACT  Ition In Gustomer Car		8	and the same of th					<b>.</b>	. 35	S wastery whole country
		Wel	!No.: 7-		Site:	<u> 242-81</u>	<del></del>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Proje	ct No.: <u>C-</u>	
400-					,	3					
	thod: 🗆 Pum		.5.								5065-1-4-00
	Eristalt		g .	15/	Baner Type:		nd table to the Commission of				
Veather Co	nditions: lculations: _ <u>25</u>			1.//	421.	. B. 21	01700	M	<del></del>		00000 +
				.71 -		<u> </u>	<u>.U.W.1 9º</u>	/# 3 ·			**************************************
	.T.W. x gal./ft. =					3					
	vol. X 3 = Total		e removed)		Gals./well vo	)i.:		·····	<u> </u>	0-000-000-00-00-00-00-00-00-00-00-00-00	
	1430-68	7			~ /	***************************************					
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	MS/cm Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1435	21,41	25.42		6.25	635	30.77	Shahtly Brown	_fredom	Cloudy	4.42	101.1
				6.27	627	20.33	4			3.74	grat
***************************************				6.27	f d	20. Y3				3.66	94,4
			0.4	6,26		20.49		······································		3.63	93.7
				<del></del>	628	20.50		**************************************	1	3.60	92.7
			0.5	625		20.50				3.58	
				1000			The state of the s			m-citizen v	NAME OF THE PROPERTY OF THE PR
				THE PERSON NAMED IN COLUMN TO THE PE				<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>			O CONTRACTOR OF THE CONTRACTOR
								y-min-min 200 000000000000000000000000000000000			
						of the state of th					ayyya a da a da a da a da a da a da a d
			and the state of t	1				·····			
perpenda Wood Participant		Final Sam	ole Readings		THE PROPERTY OF THE PROPERTY O				and the second s		
			, and the					·		Į.	
Commer	nts: <u>S</u> aza	mpled	4	14	40			M	/ell l.D.		lions/ft
		<i>i</i>		***************************************				-	121		0.04
								-	1.25"		0.06
				······································				-	2"		0.65
									u-g		
				Air	- Monitoring						// //SD3/
<b>●</b> BI	ank Taken □	Time:	440	A STATE OF THE STA	Location	Hnu/PPM	LEL %	0	2 %	H <sub>2</sub> S/PPM	CO/PPM
Well Du	iplicate S No	:	1	-		Calchite					





Well No.: P-OZ Site: OAZR1 Project No.: C-1727
- 'urging Method:   © Pumped □ Bailed Micropurge □ Other: 'ump Type:   Other:  Bailer Type:   Veather Conditions:   COUNT # HOT
Volume Calculations: $(30.41 - 24.81) \times 0.16 = 0.896$
D.T.B D.T.W. x gal./ft. = Gals./well vol.)
Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.:

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Conduct. (ммноs/см)	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1310	<b>D4.44</b>						- Appendant with the		Control of the Contro		
1315	OUTHAN	TO RE	move 8	9 946	aNs						
336	24.94	30.41	0.896	6.46	3053	20.61	CIEM	<u>N</u>		5.73	48.5
	,										
1332	24.94	30.41	0.8	5 77	3110	19.69				5,99	231.2
1339	<b>4</b> 4	/ (		6.21	3/02	18.77				5.84	262,1
1340	cí	1 1		4.32	3017	18.81	-			5.72	236.2
1425	25-61	70-UL			Additional Control of the Control of						A STATE OF THE STA
								<u></u>			
				-					99-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
Biographic Company of the Company of	red-dility/decisionsessessemm	Final Samp	ole Readings	enemandra hkilikkiyi ya sejimm		Name of the Park			ONCORPORT AND STATE OF THE STAT		

Comments: Sample line 1355	Well I.D.	Gallons/ft
Comments.	phosophic de la company de la	0.04
	1.25"	0.06
	(2")	0.16
	4::	0.65

Blank Taken	□ Time:
Well Duplicate	No.:
Signature:	27:06

Location	Hnu/PPM	LEL %	0, %	3837/2 2 2/2	CO/PPN
		<del></del>			-
		er i	pays - Transport		
			-		<del></del>



Well	No.:	P.O3
** -11	1.40.	11-02

Site: OAZ Fairmont City, Peroject No.: c-1727

	thod: 🗆 Pun			cropurge		her:					galanten er er er er er er er er er er er er er
ump Type	: <u>Ge</u>	Opump_	I '	]	Bailer Type:	**************************************					
	*	3 3		<u> </u>	***************************************		······································	***************************************			
olume Ca	nditions: $\frac{3\sigma}{2}$	<u> - 30 4</u>	3=314	× ().11	= 1.20	Adlant.	***************************************				<u> </u>
	.T.W. x gal./ft.					<b>V</b>					
Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well vo	***					
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pH	Conduct.	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0916	22.99	30.48		1					100		
0740			0.20	6.12	6487	20.95	Glorles	5 1	Clen	0.89	-64.8
0942			0.30	6.09		20,68	l.	11	1:	0.65	-644
·	47		0.50	6.17	6452	20.74	11 \	ē \$	/7	0.46	-65.6
0950			0.60	6.17	6449	20.69	)/	gggggggggggggggggggggggggggggggggggggg	10	0.41	-66.2
			0,90	6,15	6427	20,91	1 2	11	11	0.37	-67.5
/000 /005 /2005	<b>.</b>	- Control of the Cont	1.0	6.13	6420	21.12	í«	ž4.	14	0.35	-66.6.
14-10				6.14		21-21	/ 5	( (	11	0.38	-66.7
				6.13		21,29		/ *	/ *	0.40	-66,5
				6.15	6420	21.40		3 4.	7	0.39	66.4
1010		Final Sam	ple Readings	6.13	6428	21.39	<del></del>	( 2	- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	0.33 0.33	1

Blank Taken	ОТ	ìme:	10:10
Well Dup Mcate S	No.:		£4
Signature:	Trice	~>	Lom som
Date: 7	6	: 0	6

Comments: Measured flow = 150mL/min.

Air	M	onite	ring
-----	---	-------	------

Location	Hnu/PPM	LEL %	0, %	 CO/PPM
				grandostama mentralis (1848 de construent anticipat de construent de 1860 de const

Well I.D.

1.25"

(2")

4"

Gallons/ft

0.04

0.06

0.16 0.65



Well	No.:	

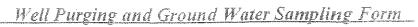
Site: <u>OA2 Fair montlety</u> Project No.: <u>C-1727</u>

'urging Met	ihod; 🗆 Pum	iped 🔲 Bai	iled DXMic	cropurge		ther:				######################################	
Pump Type: Hen staltie Goo Pump III Bailer Type:											
Weather Co.	nditions: 🔍	nnu W	(LA/M) ·								
√olume Cal	culations: <u>Lu</u>	65-17:	89 - 6,	76 × 0	1.16 = 1	289	941	~~~			ugerum ur sil dilikkir 34 kilondik kilondik kari silandik di kalifadik sebada e
	T.W. x gal./ft. =					,					
Gals./well	vol. X 3 = Total	Volume to b	e removed)		Gals./well vo	)].:					
0	700- BE	<u> 410</u>		×							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)		Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0820	17.89	24.65	7,5	6.93	887	16.59	Colorlesc	N	ara	/. <i>3</i> 8	91.0
0885	· · · · · · · · · · · · · · · · · · ·		4	6.94		16,57	****		J	1.00	74.0
0830			1.0	6.94	889	16.60	C. Salingerous		d d a promotion of the state of	0.90	63.0
083			The state of the s	694	889	16.66	V	1	¥	0.90	60.8
0832				694	891	16.52				0,86	373
				694	891	16.52				0.87	\J32
				6.94	891	16.55				0.86	51.6
										***************************************	
											Week
markete Market											
0835		Final Samp	ole Readings	6.94	890	16.60				0.85	49,0
		.0%						gravena and a		- William Control	
Commen	is Meat	49	1 20	$a_{ml}I$	min			W	ell I.D.	Ga	llons/ft

	1"	0.04
	1.25"	0.06
	(2")	0.16
	4 ? *	0.65
· ·	to the second se	(Special Control Contr
Air Monitoring		

Blank Taken	□ Time:	2835
Well Dup/Cate	No.:	4
Signature	1/1/25	Thomas
Date:		<u> 16</u>

Location		LEL %	0, %	H <sub>2</sub> S/PPM	ş
		Anna Maria			
2/4000/24/44/44/44/44/44/44/44/44/44/44/44/44/	######################################				





A The Na	TACT	re Wel	1 No.: MM	1-0Z	Site:	0AZ	e i	· · · · · · · · · · · · · · · · · · ·	Proj	ect No.: <u>C-</u>	<u>172</u> 7
urging Me ump Type Veather Co	thod: Alexandric thod: Alexandric thod: Alexandric thoday and the second thoday are alexandric thoday are alexandric thoday and the second thoday are alexandric thoday are alex	nped 🗆 Bai	iled Ami	cropurge .v / n d	□ ( Bailer Type	Other:	n ganggagangangangangangangangangangangang				
olume Ca	lculations: <u>上</u> り		7.09=	0.8	03 X S	- 4.02	2				
D.T.B D	.T.W. x gal/ft. vol. X 3 = Tota	= Gals./well v	ol.)								
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pH	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1043	19.09	as management of the state of t						***************************************	<u> </u>		
1///			3.5	anglesia kerence an erence erence a commune	i prominima de la compania de la compania de la compania de la compania de la compania de la compania de la co	16.63		<u>s</u> <u>N</u>			58.50
1113		With the second			<del></del>	16.27	4				48.5
-01		### ### ### ### ### ### ### ### ### ##	4	***************************************		15.96	1				34.1
116		1 2 4 5	4.0	16.81	1445	15.89				4.70	**************************************
N/2000000000000000000000000000000000000	19.06	24.00					C-DELLANDON AND AND AND AND AND AND AND AND AND AN	***************************************			
						TO AND THE STATE OF THE STATE O	general de la constant de la constan				ALICEN PROPERTY AND ALICENSES.
						***************************************	and the state of t		444		TO THE PARTY OF TH
		de-section of the section of the sec		The same of the sa	manufacture (Control of Control o	Y A STATE OF THE S					
		Final Samp	ole Readings	mandage (Application of the control			and the state of t		PROPERTY AND AND AND AND AND AND AND AND AND AND		
	ns: <u>Voc</u> s	SVAC	11.								llons/ft
Commen	nts: VOV3	<u>, &gt; V V.S</u>	rvera	1.1	***************************************		***************************************		/ell I.D.		0.04
									1.25"		0.06
***									(2")		0.16
-		50.	-oled la	7					- F 1 1	***************************************	0.65
ВІ	ank Taken 🛚	Time:	1135	/ Aii	Monitorin	g Hnu/PPM	LEL	% 0,	. º/o	H,S/PPM	CO/PPM
Well Du					***************************************		a de la compania del la compania de		-	and the second s	
Signatur		1516					**************************************				
Date	6/26/0	1.				oproper work women between the process of the management of the process of the pr				mark, seemen ne nigeria nigeria nigeria nigeria nigeria nigeria nigeria nigeria nigeria nigeria nigeria nigeria	



Well No.: MW. 23 Site: DAZ RI Fau mont CtyProject No.: C-123)

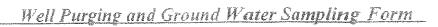
	thod: 🗆 Pun										
ump Type:	<u> </u>	<u>opump</u>	<u>II-</u> 1	IST :	Bailer Type:		······································			<del>a manggan kepisalah kebasa kepada kebasa kepada kebasa kepada kebasa kebasa kebasa kebasa kebasa kebasa kebasa</del>	\$\$\\$\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\
Veather Co	nditions: <u>Ç</u>	unny u	un dy			. E 194					
'olume Cal	culations: <u></u>	30 -10	80 = 15	·50 x	0,16- 4-	48 me	well vol	wme		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
D.T.B D.	.T.W. x gal./ft.	= Gals./well \	/ol.)								
Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well vol		>>====================================				***************************************
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рH	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
llol	1080	26.30	1,50	6.19	1825	19.66	Polorkes	N	Clear.	1.68	70·2
//30			0.75	6.18	. /	19.60	V		<b>-</b>	1,44	69.6
1132				6.20	,	19.58				7,38	49,3
1133			0.90	6,21		19.50	AN III			1,18	68.6
1140			1,2	6.23	2225	19,39				0.69	59,0
1142	-	enemantus de la dela del la dela dela dela dela d	1.4	624	2306	19.53				0,56	54.9
1144	And and a second	manufacture and the second sec	1.5	6.23	23 66	19,53					503
			1.6	6.22	2422	19.46	ALL AND STREET	sanaa pp Millipyyyyy		0,43	1
				16.5	2427	19:45		The state of the s	A PARTIE OF THE		39.8
1150			1.8.	624	2428	19,4,			***************************************	0.41	39.0
SANIENT AND PROPERTY AND PROPER		Final Sam	ple Readings	- Application of the second of	- American Conference on the C	**************************************	ijega <b>men</b> mikidejėjėjonome	dajir paaaaneen od tallinin	Antimote de description de la constitución de la co		d opposite a management of the
				4444	Ī		. [				

Comments: / leasured flow all mL/man	weni.D.
	1::
Sample · Collected (a) 1145	1.25"
V	2"
	433

Well I.D.	Gallons/ft
7 **	0.04
1.25"	0.06
2"	0.16
J**	0.65

Blank T	aken 🗆	Time:	1145
Well Duplica	ie R No.	MW-C	13/FD
Signatur&	27/440	10 J	BMUT
Date:	7:6	06	_

Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	CO/PPN
				A CLAIR HOUSE OF THE CASE OF T	W A
***************************************				**************************************	





ne Nation in Customer Care	Well No.: MW/C	Site: <u>OA Z</u>	. R(	Project No.: <u>C-1727</u>
urging Method: Fumped ump Type: FOR  Veather Conditions: PAI + I  Colume Calculations: 22.6  D.T.B D.T.W. x gal./ft. = Gals  Gals./well vol. X 3 = Total Volume	/y Sunny, haz - 18.16 = 4.49 s./well vol.)	ÉA	1	

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рH	Conduct.	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
200	18.16	Actions								The second secon	A STATE OF THE STA
12/2			0.5	6.52	1146	18.41		The state of the s		2.77	-198.9
1213				6.52	1158	17.88				1.29	-198.8
	iV		<del>ringsjoods (ngsjoogs) of all the National Colored Col</del>	6.52	1160	17.81	Annual Control of the		A COLUMN TO THE TAXABLE PROPERTY OF TAXABLE PROPERTY OF TA	1.03	198.5
				6.53	1165	17.79				0.86	1984
1216				6.53	1169	17.65				0.75	198.3
1258	18.30	12.59		Topins a second district						And the same of th	
Secretary and the secretary an				All the second s							
							pick vocamenation is different				
								of the same			
		Final Samp	le Readings	The state of the s			- sportupara de datos de conquestra de la constanta de la cons		or promised of the state of the		

Comments: Sumpled @ 1238	Well I.D.	Gallons/ft
Comments.	<b>3</b> **	0.04
MSMSD	1.25"	0.06
	(211)	0.16
	4 ? ?	0.65

B	lank	Taken		Time:		······································
Well D	uplic	cate 🗆	No	)		 
Signati	ие:	-14	H	0/62	2	 
Date:		<u> </u>		<u>(                                    </u>	) 6	

Air Monitori					
Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	CO/PPM
			AND THE PARTY OF T	and the second	de graphopologica est
······································			in the state of th		
	**************************************		-		
		1			





Purging Method: Pumped	he Nation in Customer Care	Well No.: MVJ - DS	Site: 0A2	RI	Project No.: <u>C-/727</u>
Volume Calculations: $28.51 - 27.58 = 5.93 \times 0.16 = 0.95$ D.T.B D.T.W. x gal./ft. = Gals./well vol.)	Weather Conditions: PAYHY	SWMAY, HAZY			
D.T.B D.T.W. x gai./ft. = Gals./well vol.)	/olume Calculations: 28.51=	22.58= 5.93 XC	0.16 = 0.98	5	
Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.:					
	Gals./well vol. X 3 = Total Volur	ne to be removed) G	als./well vol.:		

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct. (ммноѕ/см)	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0840	22.58		O . B								
0863				6.63	3701	18.79	Clear	A/	N	2.66	31.8
DPS U				6.63	3300	18.81	И	N	N	2.57	33
						*					
0855			0.9	6.63	3301	18.81	Cler-	Ŋ	<u> </u>	2-56	32.₹
0857			To the state of th	6.64	3402	18.80	Cler	N	M	12-56	73.5
0990	22.70	28.51	The state of the s	One of the last of						American American	
				· ·					Name of the last o		
PALL TO THE PARTY OF THE PARTY	2						A 4100				
ATTENDED TO THE STATE OF THE ST	usamakan na'am-kish kisin na k	Final Samp	ole Readings	displication of the state of th	- Commence of the Commence of	to man delectrical life of the contract of the	histologywaanich billitilliter		- Westerlieben with the state of the state o	gramma and and control of the contro	

Comments: pump (d /50 mC/min	
Sumpled (d 0925	
VOCE SVOE, Metals	

Well I.D.	Gallons/ft
74.6	0.04
1.25"	0.06
(21)	0.16
.4 ÷ ₹	0.65

Blank	Taken		Time:	
Well Duplic	ate 🗆	No.:	A Dor	
Signature:	CA	4/	7/5	<i>7</i>
Date:	16	27	1. 1	6

Location	Hnu/PPM	LEL %	0, %	1 2220.2	CO/PPM
***************************************		<u> </u>		· · · · · · · · · · · · · · · · · · ·	
					-
		The Parket	· p	and the second s	Account of the contract of the



		80			5
Well	No.:	ONCONTRACTOR OF THE PROPERTY O	MW	do	Properties

Site: <u>OAZ</u> <u>R1, Fair mont lity</u>, Project No.: <u>C-1727</u>

mens .			\. \								
	thod: DPun	- A - C	)					· · · · · · · · · · · · · · · · · · ·		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·
	: Konstall		U.		Bailer Type:	***************************************	***********************			<u> </u>	
Weather Co	nditions: _	Unny,	Warm					· · · · · · · · · · · · · · · · · · ·			<u></u>
/olume Cal	lculations: 2	1.11-2	2.38=4.	<u> 13 p</u>	(0.16 =	0.76	G Alla	yr-J	····		<del></del>
	.T.W. x gal./ft.						V				
Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well vo	* *		······		**************************************	
0	925-B	.e ann									
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	· D	Conduct.	Temp. (℃)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
0936	22.38	27.11	0.5	10 110 15-14	1792	16.98	Colorles	· N	Clear	1,12	30.0
***************************************	**************************************		0.55	6.93	g	16.93				1.30	23.4
			0.6	6.93	791	16.79	And the state of t			1.21	16.4
		and the second	0.7	6.94	791	16.68	and the second		The second of th	1.19	14.8
			0.75	6.94	788	16.82	2		and a second sec	1.06	/3.9
			0.8	6.94	786	16.80				1.03	11.2
			0.9	6.72	787	16.77	Amenda Am			/./3	21.7
			0.95	6.86	スト	16.62	and the second s			1.10	19,4
			0.99	6.94	787	16.64	All Annual Property and the Control of the Control			1.01	15.6
			1.0	8.9	76	16.72			Average distribution of the second of the se	0.47	1
0945		Final Samp	ole Réadings	695	784	16.81				081	10.6
Commen	15: <u>Meas</u>	uel floo	, 520	ooml	minute			W	ell I.D.	Gal	lons/ft
			-		2 /		***	-	3 11	1	) () A

Blank	Taken		Time:	0945	
Well Dupli	cafe L	No.:			
Signature:		Lu	W	Thomson	>
Date:	7	7	0	Ď	

Air Monitor	ing				
Location	Hnu/PPM	LEL %	0, %	1 3470/3 4 3 . 2	CO/PPM
					41-7-7
W20100000000000000000000000000000000000					

1.25"

(2")

0.06

0.16



Weather Conditions:

Well Duplicate

Signature:

Well No.: MW-07 Site: 042 R1 Fairmont Project No.: c-1727

	vol. X 3 = Total (6/6 - Be			gerrene and and a	Gals./well ve						
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pH	MS/Cm Conduct. (ммноѕим)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1640	21.79	28.46	9-6	7.12	760	18.44	Colorles	N	Clen	4.84	-74.0
			0.75	7.08	759	18:49	$oxed{1}$			4.51	70.8
1645			080	7.08	740	18.45	) 11 may a		, por the second	and the second s	
			2,90	7.08	<u> </u>	18,40	Transmission of four			4.33	60.5
1646			1.0	7.08	759	18.45			¥	4.16	56.3
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Pump Type: Geopump II Bailer Type:

Volume Calculations:  $28.46-21.79=6.67\times0.16=1.07$ 



Well	No.:	MW124

Site: <u>UAZ Fairmont City R1</u> Project No.: <u>C-1707</u>

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Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pH	Conduct.	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
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0921				6.13	2531	17.26		N		1.00	104.5
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Well No.:	MW.01

Site: Fairmont City - RIFS Project No.: C-1727

Purging Method:  Pumped  Bailed  Micropurge  Other:
Purging Method: Pumped Bailed Micropurge Other:  Pump Type: Law Flow Peristal his pump (Ge Manor Myse: 2)
Weather Conditions: Partly Cloudy 55
Volume Calculations: 24.81 - 18.06 = 6.75 × 0.16 = 1.08
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed) Gals./well vol.: $1.08 \times 3 = 3.24$

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	p <b>H</b>	Conduct.	Temp. (℃)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1056	18.06	24.81									
							. , ,				
1140			1.0	9.48	0.904	16.34	white	4	cloudy	9.3	122.8
	4)			9.46	0.904	16.47				9.44	-124.0
114	14			9.57	0.904	16.57				9.58	125.2
1146			1,2	9.46	0.904	16.55				9.43	125.3
				9.37	0.905	16.50				9.37	124.2
1147				9.36	0.905	16.51				9.37	-126.4
				9.37	0.905	16.51				9.39-	127.6
1148			1.3	9.39	0.904	16.54				9.35	-128.7
		Final Samp	le Readings								

Comments: 150 Mymin	
Sampled (a) 1151	
* settling of v. fine white pat (precipitant)	

Well l.D.	Gallons/ft
1"	0.04
1.25''	0.06
2"	0.16
4"	0.65

Blank Taken	Time:
Well Duplicate 🗆 1	Vg:
Signature: W	795110
Date: /Z	1406

Air Monitoring								
Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	CO/PPM			
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	1			•				



Well No.:	M	٠. ب	02

Site: Fairmont City · RIFS Project No.: C-1727

<u>.</u>
Purging Method:   Pumped   Bailed   Micropurge   Other:
Pump Type: Low Plan Gespump 2 Bailer Type:
Weather Conditions: Partly cloudy 55°
Volume Calculations: 23.95 - 19.81 = 4.14 * 0.14 = 0.66
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: . 66 * 3 = 1.98

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1143	19.81	23.95								(2)	(,
1602			1.5	7.78	1.254	16.47	colorles	1 N	clear	12.3	72.4
H —	13		****	7.80	1.250	16.54				12.0	1148
160	4			7.82	1.245	16.52				11.7 -	84.9
1685				7.88	1.245	16.49				11.8	-98.0
160b				7.85	1.244	16.43				11.8 -	85.7
1688				7.84	1.242	16.37				11.6	89-8
1610				7.84	1.241	16.32				11.3	-87.2
1611				7.84	1.241	16.31				11.2	-86.9
1612		Final Sample	e Readings	7.84	1.242	16.23				10.7	-70.6

Comments: /20 ml/min	Well I.D.	Gallons/ft
,	1"	0.04
	1.25"	0.06
	2"	0.16
	4"	0.65

Blank Taken 🗆 Time: 16/5
Well Duplicate 🗆 No.:
Signature: MAGotto
Date: 12 /3 Cb

	ring

Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	СО/РРМ
			To provide a second		



Well No.: MW.03

Site: Fairmont City RIFD Project No.: C-1727

<del>-</del>
Purging Method:   Pumped   Bailed   Micropurge   Other:
Pump Type: Low Flow Gespump 2 Bailer Type:
Weather Conditions: Yartly cloudy 55°
Volume Calculations: $24.21 - 8.74 - 17.47 \times .16 = 2.79$
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: 2.79 × 3 = 8.4

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1202	8.74	26.21									()
1010											
1519				7.24	1.697	18.12	Color 65	s N	dear	11.8	-59.5
1520	-			7.27	1.700	18.15	1			11.5	-63.2
(5.	21			7.28	1.711	18.10				11.3	78.5
1522				7.29	1.789						
1530				7.31	1.83/	18.01	1			10.7	-69.3
/53/	<del></del>			7.29	1.841	18.01				10.7	-65.6
1532				7.28	1.845	18.00				10.6	-61.0
1533				7.37	1.853	18.01				10.5	-48.3
		Final Sampl	e Readings								- · · · · · · · · · · · · · · · · · · ·

Comments: 150 mL/mm	Well I.D.	Gallons/ft
,	1"	0.04
	1.25"	0.06
	2"	0.16
	4''	0.65

	1534
Find Blank Taken   Time: _	描述的
Duplicate No.:	
Signature: White	
Date: 12 /3 06	_

Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	CO/PPM



Well No .: Mw . DY

Site: Fairmont City. RIFS Project No.: C-1727

<del>-</del>
Purging Method: Pumped Bailed Micropurge Dther:
Pump Type: Low flow Gespump 2 Bailer Type:
Weather Conditions: Partly cloudy 55°
Volume Calculations: 22.60 - 18.33 = 4.27 × 0.16 = 0.68
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: D. 68 × 3 = 2.05

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1222	18.33	22.60									
0981			0.5	72	0.934	16.93	Clear	N		15.8	722.1
08540	903			7.19	0.936	16.99	clear	N			-125.9
00	104			7.19	8.939	16.98	Clear	N		14.9	-126.2
0.	105			7.19	0.941	17.05	clear	Ν		14.7	127.8
89	06			7.20	0.945	16.96	clear	N		14.5	127.2
J 4	17			7.20	0.946	16.95	clear	N		14.3	-128.5
	***************************************			7.25	0.947	16.45	dear	N		14.3	-128.6
		Final Sampl	e Readings								

Comments: 100-april	-my min		
sample	collected (w	1909	

Well I.D.	Gallons/ft
1"	0.04
1.25''	0.06
2"	0.16
4"	0.65

-	Blank	Taken		Time:	0909	<del></del> -
Well	Duplic	ate 🖂	No.			
Signa	ature: _	af	70	15/1	2	
Date:	/	Z	18	01	<u></u>	

Location	Hnu/PPM	LEL %	02 %	H <sub>2</sub> S/PPM	CO/PPM





Well No.:	MW.05

Site: Fairmont City · RIFS Project No.: C-1727

<del></del>	
Purging Method:   Pumped Bailed Micropurge   Other:	
Pump Type: Low Flow Geopump 2 Bailer Type:	
Weather Conditions: Partly cloudy 55°	
Volume Calculations: 28.51 - 22.76 = 5.75 × 0.16 = 0.92	
D.T.B D.T.W. x gal./ft. = Gals./well vol.)	_
Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: 0.92 × 3 = 2.76	
Depth to Depth to Volume Water Bottom Burnard Dissolved	٦

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1417	22.76	28.51									
0947											
7940			0.5	7.27	3.223	16.22	Calorles	s N	clear	16.7	7.8
0949				7.29	3.223	16.17				16.5	4.5
0950				7.31	3.218	16,25				16.1	2.5
0951				7,28	3.219	16.25				16.0	1.6
0952				7,30	3.219	16.29				15.8	-0.1
											<i>κ</i> <sup>7</sup>
		Final Sampl	e Readings							.¢	

Comments: 100 ggom ML/min	Well I.D.	Gallons/ft 0.04
	1.25"	0.06
	2"	0.16
	4"	0.65

	Blank Tak	en 🗆	Time:	1000	
Well	Duplicate	□ Ng.	:	a_	
Signa	ture:	al	290	To	
Date:	/2	1/3	10	6	

Location	Hnu/PPM	LEL %	02 %	H <sub>2</sub> S/PPM	СО/РРМ



Well No.: MW.06

Site: Fairmont City · RIFS Project No.: C- 1727

Purging M	ethod: Pu	imped 🗆 B	ailed XM	licropurg	È 🗆	Other:					
Pump Type	e: Low Fl	on Peris	Htic Pur	np(c)	Baller Type	2)					
Volume Ca	onditions: <u>P</u> alculations:	27.12-	22.11	= 5.0	1 x 0.1	6 = 0.8	0	-,		· · · · · · · · · · · · · · · · · · ·	
	O.T.W. x gal./ft.							•			
(Gals./well	vol. $X 3 = Tot$	al Volume to t	pe removed)		Gals./well v	/ol.:	80 *	3 = 2	2.4		
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1402	22.11	27.12								l (mg/L)	(1111)
10 49			0.9	9.06	0.756	1521	/1/	./	2/161		211
			1.0	908			( 3 / XVID)	W M	CLEAV	11.1	-84.1
- 109	) / - )		1.0	<del> </del>	<del></del>	15.19				1	-88.5
1054	<u>'2</u>		, ,	9.13		15.35				10.5	78.6
1037			1.1		0.756	15.28				10.3	-102.5
				9.12	0.756	15.27				18.2	-1037
		Final Sampl	e Readings								
			e reddings					****			
Comments	:_ 15 C	mL/m	un					We		Gal	llons/ft
									1"		0.04
sample ( ) 1857						- 1	.25''		0.06		
								-	2"		0.16
								-	4''	(	0.65
				Air N	Monitoring						
Blank	k Taken □	Time:			1	nu/PPM	LEL %	0, %	6 H	S/PPM	СО/РРМ
Well Dupli	icate 🗆 No.:			-					-   ^ 2.7		



Well No.: MW·07	Site: Fairmont City. RIFS	Project No.: <u>C- 172</u> 7
	Lilli OUMR	

Gals./well vol.:  $1.04 \times 3 = 3.12$ 

- nivistulti pump
Purging Method: Pumped Bailed Micropurge Other:
Pump Type: Low Flow Gesping 2 Bailer Type:
Weather Conditions: Partly cloudy 55°
Volume Calculations: $28.12 - 21.61 = 6.51 \times 0.16 = 1.04$
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: 1.04 × 3 = 3.12

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1351	21.61	18.12								, <u>e</u> _/_	,
0959			0.9	8.98	0.729	15.58	colorles	r N	dear	16.2	-64.9
<u>/o</u>	0/			9.09	0.728	15.63				15.4	-64.0
100	2			9.33	0.729	15.64				14.9	-67.4
1883			1.0	7.20	0.729	15-61				14.4	-66.7
1004				9.39	0.729	15.63				14.2	-66.0
1005				9.40	0.728	15.69				14.0	-68.5
				9.41	0.729	15.72				13.8	-69.8
				9.42	0.728	15.73		. 17.0000		13.8	-71.5
		Final Sampl	e Readings								

Comments: 150 ML/Min	Well I.D.	
Can Olad A 1000	1"	
Sampled (d /808	1.25"	
	2''	
	411	

Well I.D.	Gallons/ft
1"	0.04
1.25"	0.06
2"	0.16
4"	0.65

Blank Taken   Time:	_
Well Duplicate 🗆 Ng.:	_
Signature: CUAJSTO	
Date: 12 14 06	

Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	СО/РРМ
1					
 a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l					



Well No.: P. 01 Site: Fairment City . KIFS Project No.: C-1727
_
Purging Method: ☐ Pumped ☐ Bailed ☐ Micropurge ☐ Other:
Pump Type: Glopump 2 low flow Bailer Type:
Weather Conditions: Partly cloudy 55°
Volume Calculations: $25.61 - 22.47 = 3.14 \times .16 = 0.50$
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed) Gals./well vol. $0.5 \times 3 = 1.5$

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (m)
1215	22.47	25.61						(1////	(110)	(mg/L)	(mV)
1145			0.5	7.09	0.412	18.21	catork	33 N	clear	20.9	32.0
1146				7.10	0.611	18-19				20.5	29.8
			0.75	7.11	0.612	18.14				20.4	27.6
1148				7.11	0.409	18.11				20.1	28.6
1149			1.0	7.11	6.609	18.18				19.8	24.8
1150				7/12	0.610	18.09				19.8	23.6
1151				7.13	0.611	1802				19.6	20.4
1152			1.2	7.13	6.611	18.03				19.5	19.2
		Final Sampl	e Readings								

comments: 150 ml/mir	Well I.D.	Gallons/ft
Sample alliable (2) 12.10	1"	0.04
samples collected (2 1200	1.25"	0.06
	2"	0.16
	4"	0.65

Blank Taken 🛛 Time: _	1200
Well Duplicate TNo.:	01.D
Signature: Mythotto	
Date: 12 13 06	

Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	СО/РРМ



Well No.: P.02 Site: Fairmont City. KIFS Project No.: C-1727
Purging Method:  Pumped  Bailed  Micropurge
Pump Type: Low Flow Gespump 2 Bailer Type:
Weather Conditions: Partly cloudy 55°
Volume Calculations: $30.41 - 25.10 = 5.31 \times 0.16 = 0.849$
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: 0.85 × 3 = 2.55

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1735	25.10	30.41									
1843			0,60	7.68	3.119	16.32	colorles.	s N	clear	15.9	-68.0
	45			7.56	3.822	16.30				16.2	-60.0
100	1 k			7.54	3.022	16.30				16.9-	62.0
1047				7.57	3.017	16.45					64.8
1050.	·			7.65	3,027	1655				17.6	-73.7
1051				7.67	3.027	14.58				16.6	-78.3
1052				7.67	3.028	16.64				15.7	-82.6
								-			
		Final Sampl	le Readings								

omments: 150 m L/mm	Well I.D.	Gallons/ft
	1"	0.04
	1.25"	0.06
	2"	0.16
	4"	0.65

Air Monitoring

Well Duplicate No.: P. 02 D

Signature: Wolf P. 02 D

Location	Hnu/PPM	LEL % 0 <sub>2</sub> %		H <sub>2</sub> S/PPM	СО/РРМ
		To the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and th			



Well No.: P. 03

Site: Fairmont City RIFS Project No.: C-1727

<del></del>
Purging Method:   Pumped Bailed Micropurge   Other:
Purging Method:   Pumped Bailed Micropurge   Other:   Pump Type: Low Flow Gespurg 2   Bailer Type:   Bailer Type:
Weather Conditions: Partly cloudy 55°
Volume Calculations: $30.5 - 23.02 = 7.48 \times .16 = 1.19$
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. $X = Total Volume to be removed$ ) Gals./well vol.: $1.19 \times 3 = 3.59$

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp. (℃)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1154	23.02	30.50									
1421			1.0	7.67	6.374	17.50	colorles	s N	deav	15.2	-79.7
1422				7.77	6372	17.49				15.2	
	24			7.79	6.370	17.50				15.1 -	79.4
14	25			7.79	6.370	17.50				15.0-	76.2
				7.78	6.369	17.50				14.9	-80.7
				7.78	6.369	17.50		***		14.9	82.4
142	Ь			7.77	6.368	17.51				14.9 -	86.2
										ŧ.	
		Fin <b>a</b> l Sampl	e Readings						:		

omments: 100 mL/nin	Well I.D.	Gallons/ft
	1"	0.04
	1.25"	0.06
	2"	0.16
	4"	0.65

Blank Taken 🗆 Time: <u>1436</u>
Well Duplicate D No.:
Signature: Wifforth
Date: 12 13 06

Air Monitoring									
Location	Hnu/PPM	LEL %	02 %	H <sub>2</sub> S/PPM	СО/РРМ				
		Topic of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state							
1.5									
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		_
Well No.:	MW.	29

Site: Fairmont City RIFJ Project No.: C- 1727

<del>-</del>
Purging Method:  Pumped  Bailed  Micropurge
Purging Method:   Pumped Bailed Micropurge   Other:   Pump Type:   Bailer Type:   Bailer Type:   Despring Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Paragraphic Pump Pa
Weather Conditions: Partly Cloudy 55°
Volume Calculations: 18.58 - 14.75 + 1.83 × 0.06 = 0.109
(D.T.B D.T.W. x gal./ft. = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed) Gals./well vol.: . 10 × 3 = 0.33

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1123	16.75	18.58					j.				
							ì				
0902			0.1	7.03	2.286	16.69	slavler	r N	cloudy	43.1	51.8
( 09	03			7.64	2.299	16.75		N	cleavir	9 27.6	-11.5
078	5		0.2	7.80	2,322	16.91				16.9	-42.6
0906				7.82	2,327	16.92				16.2	-45.3
				7.83	2,328	16.97				16.3	-40.9
0907			0.5	7.82	2,331	16,94				15.3	-43.4
		Final Sampl	e Readings								

Comments: /20 m L/min	Well I.D.
sampled @ 0909	1"
	2"

Well I.D.	Gallons/ft
1"	0.04
1.25"	0.06
2"	0.16
4"	0.65

Blank Taken □ Time: \_ Well Duplicate D No.

 Docation

Location	Hnu/PPM	LEL %	02 %	H <sub>2</sub> S/PPM	CO/PPM
					Translation of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the
, porting					



Well No.: Mw. 24 Site: Fairmont City RIFS Project No.: C-1727
Purging Method: Pumped Bailed Micropurge Other:  Pump Type:
Volume Calculations: $19.01 - 16.47 = 2.54 \times 0.16 = 0.40$
(D.T.B D.T.W. x gal./ft, = Gals./well vol.)
(Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: D. 40 × 3 = 1.20

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1133	16.47	19.01									
0825			8.4	8:12	1.186	16.08	wellon-	N	claudy	20.1	-41.0
( 08	4			8.12	1.186	16.06	#20 4 man 4 m	****	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	19.3	-41.6
0				8.12	1.188	16.06	office of the second	2 2 2		19.1	-39.6
582	7			8.12	1:196	16.85		* tanks	Ĺ	18:3-	40.7
1829	ζ		0.5	8.07	1.239	16.08	cslovler	r N	clear	17.6	-45.9
0829				8.06	1.261	16.06				17.4	-40.1
				8,05	1,263	16.07				17.6	-39.5
		Final Sampl	e Readings								

Comments: 150 mL/min	Well I.D.	Gallons/ft
sampled (a) 0831	1"	0.04
3414/12/ (4 083)	1.25"	0.06
	2"	0.16
	4"	0.65

4	Blank	K Tak	en		Time:	0831	
Well	Dupli	cate		No.:			
Signa	ature:		6	N	7/10	Ho.	
Date:		12	,	14	106	2	

Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	CO/PPM
		To the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th			
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Well No.:	MW-	01

Site: Taismont City OAZ Project No.: C-1727.

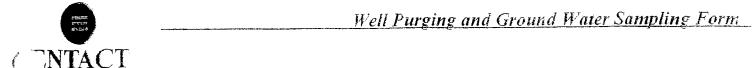
0.16 0.65

CO/PPM

Purging Me	thod: 🗆 Pun	nped 🗆 Ba	iled 🗆 Mi	cropurge		other:					
Pump Type:	•				Bailer Type:						
Weather Co	nditions:	40T,	muggy	1							
Volume Cal	nditions:	22.68	-16.8	6 = 0	5,82	× 0,16	/ =	0.9	3 ga	llons	
(D.T.B D.	.T.W. x gal./ft.	= Gals./well v	/ol.)								
(Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well vo	ol.:	0.9	3			
								·····			
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Conduct. (ммноѕ/см)	Temp.	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1900	16.86	22.68	0,93	7.09	.711	17.61	Sity, County	olnks	Slty	1.54	-6.7
				·			0			,	
r de											
						<del> </del>					
		Final Samp	le Readings								
						· · · · · · · · · · · · · · · · · · ·					
Comment	is: No c	amalo	s Col	led	d - 0	Ny		V	Vell I.D.	Gal	lons/ft
-600	s: No s atu que	ality of	ninele	$\bar{z}$	for	e bacus	chy		1"	(	0.04
	well) w	lk mfg		/	/			-	1.25''		0.06

Air	Moni	toring

Blank Taken 🔲 Time:	Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM
Well Dupicate No.:					
Signature: Jahren Homeon					
Date:		5			

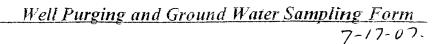


Leau, the Na	ation in Customer Ca	are We	II No.: MA	1-02	Site:	Fairmo	nb Cily	012	Pro	oject No.: <u>C</u> -	1727
	thod: □ Pun : onditions:				Bailer Type:						
				7 =	5,34	× 0,1	6 = (	11,83	<u> </u>		
`	.T.W. $x$ gal./ft. vol. $X$ 3 = Tota				Gals /well v	ol·					
(Gais./Well	VOI. A 3 - 10ta	ii volume to e	ic removed)		Guiss well	O1					
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pH	Conduct.	Temp.	Color	Odor (Y/N)	Turbidit (NTU)	* ) . <u>-</u> .	ORP (mV)
1848	23.71	18.37	/	6.94	0.873	18.9	Colorles		Cla	5.57	-4.8
									·	,	
-dead and the											
		Final Samp	le Readings								
			1		. 1						
Commen			le Ca	llec	tel -	only		W	ell I.D.		llons/ft 0.04
	Vati	guain	J Da	ilime				-	1"		0.06
								-	2"		0.16
*****								-	4"		0.65
				Air	Monitoring						
Bla	nk Taken 🛚	Time:		L	ocation	Hnu/PPM	LEL %	6 0	. %	H <sub>2</sub> S/PPM	CO/PPM
Well Dup	oligate B No.	:			of commence of						



#### Well Purging and Ground Water Sampling Form 7-17-07

TN	<u>TACT</u>									/-	17-07.
Le. he Na	tion in Customer Ca	we We	II No.:	1-04	Site:	aumos	t_		Proj	ect No.: <u>C</u>	<u>- 172</u> 7.
			× 1								
Purging Me	thod: 🗆 Pun	nped 🗆 Ba	iled Mi	cropurge		other:					
Pump Type:					Bailer Type:						
Weather Co	nditions:										<del></del>
Volume Cal	culations:	22.60	17.00	7=5	553'×	0.16 =	0, 88	5 9	allons	(14.	16 cups)
(D.T.B D.	T.W. x gal./ft.	= Gals./well v	/OI.)			ρ	/	<b>a</b> 00	_	,,	
(Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well vo	ol.: Klone	ved	0.88	5 gal	lons	
									<del></del>	T	_
	Depth to Water	Depth to Bottom	Volume Removed		C 4	Temp.				Dissolved	
Time	(D.T.W.)	(D.T.B.)	(gal.)	pН	Conduct. (ммноѕ/см)	(°C)	Color	Odor (Y/N)	Turbidity (NTU)	Oxygen (mg/L)	ORP (mV)
0935	17.07.		0.80	647	1.161	20.2	Color HSS	No	Clear	6.90	-124.5
0948			,85	6.48	1.159	20,2	Clear	No.		0,45	-125.
0933			0.9	4.49		20.38	1	No		0:4	-125.9
095	7		0,95	6.49	1.138			No		0,32	-117,4
10.8	#			6.50			1 2 1	No		2,29	
10.11			1.05	l	1 .	1	1 1	No		0.64	, 1
10.16			7.00	6,53	1.156	70,39	an		+ ¥	0.67	107.3
10,19.		Final Samp	le Readings								
10,17				<u> </u>	<u> </u>						
			m + M - 1	/	-				ell I.D.	<u> </u>	llons/ft
Comment	s:	ا ک	0.10 AL	min	A			-   •	1"		0.04
									1.25"		0.06
-							·······	_	2"	_	0.16
***************************************								_	4"		0.65
								<u> </u>	7		
	/	/ *	10		Monitoring		T .	1		·	CO MINA
!	nk Taken 🗆		19.	L	ocation l	Inu/PPM	LEL 9	√ <sub>0</sub> 0 <sub>2</sub>	% I	H <sub>2</sub> S/PPM	СО/РРМ
•	licate No.:										
Signature	~ ~~		w					Anna present de la constant de la co			
Date:	07:17	<i>U /</i>									





1	
Well No.:	MW-OS

Site: Farmont City 0AZ Project No.: C- 1727.

— Purging Me	thod: 🗆 Pur	mped 🗆 Ba	ailed Mi	cropurge	: D C	other:					
Pump Type	•				Bailer Type:			**************************************			
Weather Co	nditions:										
Volume Ca	lculations: _c	28 <b>3</b> 1 -	21.85	6.4	6' × 0	16= 1	1, U3	gallon	<u>s</u> -		
(D.T.B D	.T.W. x gal./ft.	= Gals./well	vol.)			0		Ι,			
(Gals./well	lculations:  T.W. x gal./ft.  vol. X 3 = Tota	al Volume to b	e removed)		Gals./well vo	ol.: <i>Ken</i>	nove	/well	rol	umi.	
							<del>, -</del>		<del></del>		
	Depth to Water	Depth to Bottom	Volume Removed	,	Conduct.	Temp.		Odor	Turbidity	Dissolved Oxygen	ORP
Time	(D.T.W.)	(D.T.B.)	(gal.)	pH	(MMHOS/CM)	(°C)	Color	(Y/N)	(NTU)	(mg/L)	(mV)
1138	21.85		1.0	651	3.238	21,14	Colorle	12	Clean	2.cel	-4.5
1143			1.05	6.59	3.225	19.92			Ĺ	1.07	西5.1
1148			1.10	6.60	3.224	19.44				0.94	9.0
11 53			1.10	wiet	3.226	19.45				0.72	11-8
1158			_	4.61	3.225	19.94				0.42	12.3
1203			1185	4.61	3.229	20.01				0.58	9.3
1208			1.2	4.63	3.225	19.7				8.71	8.5
1213			1,20	6.60	3.231	19.46				0.50	12.1
投作			1.2	6.61	3.222	19.62				0.44	15.2
1221			1,25	661	3.220	19.45	1		¥	0.41	15.5
1220		Final Samp	ارکر ole Readings	6.61	3.218	19,47				0.39	14.6
		. <i>b</i> j									
Commen	ts: /.25	mi   man	<i>n</i>		<del></del>			$ \frac{\mathbf{w}}{\mathbf{w}}$	ell I.D. 1"		lons/ft ),04
									1.25"		0.06
				·····					2"		0.16
		····			, ,				4"		0.65
					Manierrier			<del></del>			
Bla	nk Taken □	Time: /a	30		Monitoring ocation I	Inu/PPM	LEL	% 0,	0/6	H <sub>2</sub> S/PPM	CO/PPM



### Well Purging and Ground Water Sampling Form 7-17-07.

	IACI ation in Customer C		<b></b>		i /	_	101				_
		We	ill No.: M	W-06	Site:/	ain mon	of City	Hot,	E Proj Humi	ect No.: <u>C</u> .	-1727.
urging Me	thod: 🗆 Pur	nped 🗆 Ba	ailed Mi	icropurge	: 🗆 O	ther:					
ump Type	: Geopu	mat			Bailer Type:						
Veather Co	nditions: '										
olume Cal	lculations:	26.85	21.45	<u> </u>	-40x O.	16 =	0.8	16 q	Mons	× 16	5 - 13.8
D.T.B D	.T.W. x gal./ft.	= Gals./well	vol.)								Ci
Gals./well	vol. X 3 = Tota	al Volume to b	e removed)		Gals./well vo	ol.: <i>/\b</i>	mare 1	well			
	Depth to	Depth to	Volume			,			1		
	Water	Bottom	Removed		Conduct.	Temp.		Odor	Turbidity	Dissolved Oxygen	ORP
Time	(D.T.W.)	(D.T.B.)	(gal.)	pН	(MMHOS/CM)	(°C)	Color	(Y/N)	(NTU)	(mg/L)	(mV)
14/2	**************************************		0.86	6.83	0.773	18.13	Clear_	N.		1.98	-40.2
1417.				4.85	0.772	18.32	-	N	-	1.20	-35.8
1422				6.85	0.77	18.09				1.11	- 32.7
142	1			6.85	0.77	17.94				1.10	-28,2
1.13	ž			6.90	0.77	17.95				0.87	-54.4
1437				1.86	0,769					0.70	-a7.7
1445				6.87	0.770	17.85				0,65	-26.0
17.5				0.07	0.770	7 7 7 0 1				0,00	W 6, ()
				<del> </del>							
		•		<del>                                     </del>							-
			1					··			
		Final Samp	le Readings								
							<del></del>				
Comment	s: <u> </u>	0,12 m	L/min					W	ell I.D.	Gal	lons/ft
								-	1"	(	0.04
								-	1.25"	(	0.06
-	······································							-	2"		0.16
									4''	(	0.65
				Air	Monitoring						
Blan	ık Taken 🗆	Time:	150.		1	Inu/PPM	LEL %	6 0 <sub>2</sub>	% I	1 <sub>2</sub> S/PPM	CO/PPM
	lieate 🗆 No.										
Signatura	Pat 1	homson	/				**************************************				
Date:	7 17										
	,	•						į			



#### Well Purging and Ground Water Sampling Form

7-17-07

Well No.: Mw.7 Site: Farmant City DAZ Project No.: C-1727
Purging Method:   Pumped   Bailed   Micropurge   Other:
Pump Type: Bailer Type:
Weather Conditions:
/olume Calculations: 27.91-20.91 = 7fl x 0.16=1-12 gal = 18 (MP)
D.T.B D.T.W. x gal./ft. = Gals./well vol.) $0$
Gals./well vol. X 3 = Total Volume to be removed)  Gals./well vol.: Rinsul   well walum

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct. (ммноѕ/см)	Temp. (°C)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
	20.91	27.91									
1615			1.1	6.92	0746	19.27		N	Clear	3.04	-20.6
1620				6.97	0.746	19.39				2.44	-22.3
( 16	<i>ک</i> ح			4.97	0.744	19.28				2.25	-21.0
				6.97	0.744	19.28			,	2.18	-21.7
		Final Samp	le Readings								

omments: ~alo and min	Well I.D.	Gallons/ft
	1"	0.04
	1.25"	0.06
	2"	0.16
	4"	0.65

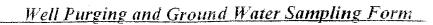
Saprage of	Blank	Taken		Time:	1430
Well	Duplio	PATE [	-No.:		-f1
Signa	ature:	2	alri	u 5	thomson
Date		7	17	07	7

Location	Hnu/PPM	LEL %	02 %	H <sub>2</sub> S/PPM	CO/PPM
					- Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Comp
		}			
	l .				



## Well Purging and Ground Water Sampling Form. Field Parameters Only

Leas the M	IACI	ar∈ We	ll No.:		Site: /	- aur m	iont C	ly	Proj	ect No.: <u>C-</u>	1727
_								/			· <b>,</b>
Purging Mo	ethod: 🗆 Pun	nped 🗆 Ba	iled 🗆 Mi	cropurge		ther:		·			
oump Type	<b>?</b> :	······································			Bailer Type:					<u> </u>	
Veather Co	onditions:								,		
olume Ca	lculations:	30.28	. 21,41	<i>*</i>	8.87	× 0,1	6 = 0	7,13t	GAL	Las	
D.T.B E	O.T.W. x gal./ft.	= Gals./well	vol.)								
Gals./well	vol. X 3 = Tota	l Volume to b	e removed)		Gals./well vo	ol.:					
Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	pН	Conduct. (ммноѕ/см)	Temp. (℃)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
	21.41	30. ≥8	20.15	6.08	6.408	2182	Slight		Clean	1.50	-14.4
		-	0.2		6.1423	1	, ,				-5.3
			1110	6,00	0.7,00	2//2/					
									<u> </u>		
											1
									ļ		
·											
		Final Samp	ole Readings								
Commen		S	/103 -	175	tu Qu	eldu		W	ell I.D.	Gal	llons/ft
	rumiler	i Calles	toll as	Her		uating			1"		0.04
	well vo	lume		)				_	1.25"		0.06
								-	2"		0.16
								-			0.65
					Manianin			<b>.</b>			
. Di-	ank Taken □	Time			Monitoring ocation 1	Inu/PPM	LEL %	6 0.	°/0	H,S/PPM	СО/РРМ
			. /		ocation 1		1 /	-			
Well Du Signatur		trica.	Hanca	<u> </u>							
_	7:17	07	7 00 1 100								
Date:		<u> </u>		,			1	1	ì		i

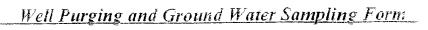




1	
Well No.:	POZ

Site: Farmont City OAZ Project No.: C- 1727

	hod: 🗆 Pur										
Vesther Co	ditions:										
olume Cal	culations:	25.36	-24.20	) <i>=</i>	1,14	× 0.16	= 0	1.18			
	T.W. x gal./ft.										
	vol. X 3 = Tota				Gals./well ve	ol.:					
			Í								
	Depth to Water	Depth to Bottom	Volume Removed		Conduct.	Temp.		Odor	Turbidity	Dissolved Oxygen	ORP
Time	(D.T.W.)	(D.T.B.)	(gal.)	pН	(MMHOS/CM)	(°C)	Color	(Y/N)	(NTU)	(mg/L)	(mV)
			0,2	6.37	0,693	19.28	Colorka	s No	Clen	4.99	
1755			0.3	6,23	0.605	19.05				4.58	537
									·		
		Final Samp	le Readings								
				<u> </u>		<u> </u>					
	10	Samp	1. 1.11	. I.S.	- 11	7.		W	ell I.D.	Ga	llons/ft
Comments	lety Pa	ramete	is one	1. (181	ul at	Fu			1"		0.04
	whaten	19 ONE	well	volu	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			_	1.25"		0.06
		7						-	2"		0.16
									4"		0.65
								L	•	1	
					Monitoring						CO (DDX:
Blar	Blank Taken 🗆 Time:				ocation 1	Hnu/PPM	LEL %	02	% H	I <sub>2</sub> S/PPM	СО/РРМ
Well Dup	licate 🗆 No.	·		-	maja a a a a a a a a a a a a a a a a a a						
<del></del>						-					
Date:		,		.	<u>}</u>		<u></u>				





Well	No.: P. 03 Site: Fairmant City UAZ Project No.: C- 12	72)
— Purging Method: □ Pumped □ Baile Pump Type:	ed Micropurge   Other:  Bailer Type:	
Weather Conditions:  Volume Calculations: 30.14	22.03= 8.11 × 0.16 = 1.3	
(D.T.B D.T.W. x gal./ft. = Gals./well vo (Gals./well vol. X 3 = Total Volume to be		<del></del>

Time	Depth to Water (D.T.W.)	Depth to Bottom (D.T.B.)	Volume Removed (gal.)	рН	Conduct.	Temp. (℃)	Color	Odor (Y/N)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
1815			2/3	6.53	2280	20,4				0.54	10.8
18,20			1.5	6.52	2,266	19.95	Colorles	g N	Clear	0.46	9.4
7 7 7											
								·			
		Final Samp	ole Readings								

Comments: Water	Quali	ly to	gramelu	u (	Colle	ted
- Eraculed	one i	will		e f	Prior	fo
- Colored						

Well I.D.	Gallons/ft		
1''	0.04		
1.25"	0.06		
2''	0.16		
4"	0.65		

Blank Taken 🗆 Time:
Well Duplicate D No.:
Signature: Lalnus from som
Date:

Air Monitoring									
Location	Hnu/PPM	LEL %	0, %	H <sub>2</sub> S/PPM	CO/PPM				
				<u> </u>					
	5	1			<i>J</i>				